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CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

G. S. BLISS.
PHILADELPHIA, PA.

VOL. XLIV.

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No. 1.

GENERAL SUMMARY.

January started with mild temperatures, and accumulated a large surplus up to the 11th inclusive. On the 12th a reaction to colder began, and temperatures were almost constantly below the normal to the end of the month. The deficiencies were not quite enough to counterbalance the large surplus, and the month ended with a small excess to its credit. There were no unusual temperature extremes recorded. The precipitation averaged near the normal and its distribution was unusually near to normal conditions. Only eleven stations reported departures, in either direction, exceeding one inch. However, considerably more than the usual portion of the precipitation occurred as snow, which averaged about forty-five percent above the normal. The ground was bare, excepting a few regions near the northern border, during the early part of the month, and the first snow of consequence occurred on the 13th. From that time to the end of the month there was a fairly good snow-cover on the winter grains, and they generally came through in good condition. The fore part of the month, to the 12th inclusive, was very favorable for outdoor work of all kinds. There was little or no frost in the ground and considerable plowing was done, while the building program made good progress. During the last ten days the weather was blustery and disagreeable much of the time. The winds reached gale velocities in many parts of the State on three or four dates, and considerable damage of a minor character occurred. On the 22d Williamsport reported a fifty-mile gale, accompanying a temperature of ten degrees, which tore down several large signs in the city, and unroofed a few outbuildings. Heavy rains on the 29th and 30th melted some of the snow, and brought many streams to near flood stages. The rains changed to snow and sleet or glaze on the 31st, and made the highways dangerous for travel. On the whole, it was a rather strenuous month, to show near-normal conditions in its averages.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 93 stations, was 30.3°, which is 1.8° above the 52-year normal for January. The highest monthly mean was 36.2° at Uniontown, and the lowest was 19.4° at Gouldsboro. The highest temperature recorded during the month was 69° at Uniontown on the 4th, and the lowest was -18° at Gouldsboro

on the 28th. The greatest daily range in temperature was 51° at Somerset on the 28th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 179 stations, was 3.14 inches, which is 0.12 inch below the 52-year normal for January. The greatest monthly amount was 5.93 inches at Mt. Pocono, and the least was 1.38 inches at Meadville. The greatest amount recorded in any 24 consecutive hours was 2.59 inches at Philadelphia-Pt. Breeze on the 29-30th.

The average snowfall for the State was 15.2 inches, which is 4.8 inches above the 52-year normal. The greatest total snowfall for the month was 31.8 inches at Springs, and the greatest amount for 24 consecutive hours was 10.0 inches at Gordon and Gouldsboro on the 13-14th.

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	23.2	61	-19	4.19	14.0	13	5	11	15
1889.....	29.4	68	-5	3.54	7.8	10	9	13	9
1890.....	37.5	77	-2	3.04	1.8	14	7	8	16
1891.....	30.5	64	-4	3.64	9.8	12	6	10	15
1892.....	26.2	66	-28	4.77	13.5	12	8	8	15
1893.....	19.0	57	-25	2.85	18.0	12	7	10	14
1894.....	32.8	65	-9	2.29	7.2	10	9	9	13
1895.....	24.2	58	-17	4.17	14.2	13	7	10	14
1896.....	27.6	60	-15	1.43	3.4	6	8	9	14
1897.....	25.6	74	-25	2.15	11.0	10	8	8	15
1898.....	30.7	67	-16	4.25	11.0	13	6	8	17
1899.....	26.6	66	-21	3.05	10.3	10	12	8	11
1900.....	29.8	63	-8	2.64	5.3	10	8	9	14
1901.....	29.1	59	-10	2.22	8.6	11	8	8	15
1902.....	25.6	58	-13	2.80	11.5	9	8	9	13
1903.....	26.9	68	-13	3.31	11.7	11	6	8	17
1904.....	20.0	66	-42	3.55	20.4	12	10	6	15
1905.....	23.8	69	-21	3.70	21.2	12	8	8	15
1906.....	35.0	85	-4	2.53	4.5	11	10	8	13
1907.....	30.0	75	-23	4.36	13.2	15	6	7	18
1908.....	28.4	59	-18	2.68	11.4	9	12	8	11
1909.....	31.2	72	-19	2.92	12.8	13	9	6	16
1910.....	27.2	56	-22	5.55	26.0	14	7	5	19
1911.....	31.6	70	-5	3.54	4.5	13	8	5	18
1912.....	18.6	57	-35	1.92	13.6	12	8	7	16
1913.....	36.5	65	3	4.95	4.5	16	9	6	16
1914.....	30.2	81	-27	3.37	11.7	11	7	7	17
1915.....	28.3	62	-26	5.56	14.7	13	10	6	15
1916.....	34.2	76	-12	2.42	1.8	12	9	8	14
1917.....	27.9	69	-18	3.60	4.2	13	11	8	12
1918.....	16.2	57	-29	3.51	25.2	12	10	8	13
1919.....	32.0	64	-15	2.53	6.2	8	14	8	9
1920.....	20.9	59	-23	2.47	10.0	10	9	8	14
1921.....	31.0	63	-13	2.58	4.4	10	12	7	12
1922.....	25.0	62	-19	2.26	16.0	8	14	7	10
1923.....	29.1	62	-17	4.26	17.6	14	6	6	19
1924.....	28.1	65	-13	4.34	3.6	8	11	8	12
1925.....	25.2	55	-29	3.53	29.4	10	11	7	13
1926.....	27.8	66	-19	2.80	10.5	11	9	9	13
1927.....	27.4	61	-24	2.90	5.7	13	9	6	16
1928.....	29.8	65	-23	2.08	6.8	9	12	8	11
1929.....	27.3	73	-20	3.37	7.6	12	8	9	13
1930.....	29.2	72	-24	2.75	8.4	12	8	8	15
1931.....	30.0	65	-12	1.46	4.4	7	12	9	10
1932.....	40.5	79	9	4.51	1.3	14	7	6	18
1933.....	37.0	71	-6	2.00	1.9	8	12	7	12
1934.....	32.2	67	-19	2.54	2.3	11	8	8	15
1935.....	27.5	72	-23	3.08	13.5	11	11	6	14
1936.....	33.6	59	-30	4.21	19.4	14	8	7	16
1937.....	35.7	71	5	6.36	4.3	16	5	7	19
1938.....	28.9	66	-20	2.51	5.1	12	8	7	16
1939.....	30.3	69	-18	3.14	15.2	13	8	7	16
Period.....	28.5	85	-42	3.26	10.4	11	9	8	14

Climatological Data for January, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy			Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	254	27	28.8	-0.9	53	10	-1	20	31	3.02	-0.57	0.92	11.0	12	13	16	2	ne.	John A. Frick.
	Altoona.....	Blair.....	1,615	52	29.4	+1.6	61	10	-1	26	30	3.59	+0.59	0.80	23.0	15	14	6	11	w.	John J. Martin.
	Ardmore.....	Montgomery.....	350	19	30.8	-1.3	58	6	-	26	27	4.15	+0.52	2.20	14.8	12	8	6	17		H. L. Balderston.
	Arendtsville.....	Adams.....	700	17	31.4	+0.8	61	10	1	27	32	3.71	+0.71	1.17	12.2	10	12	10	9	nw.	Harold J. Miller.
	Bedford.....	Bedford.....	1,060	7	31.8		66	10	-4	28	39	3.56		1.30	21.5	12	7	3	21	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	54	31.8	+1.0	55	10†	8	26	26	3.31	-0.14	1.24	13.5	12	10	5	16	nw.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	13	29.0		59	10	-6	20	39	3.05		1.35	17.1	12	7	15	9		Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	78	30.6	+1.9	56	10†	2	26†	33	3.40	+0.22	1.41	16.0	13	12	11	8	ne.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	40	32.2	+2.2	62	10	5	15†	32	2.93	-0.21	1.23	14.5	10	6	14	11	sw.	William B. Spear.
	Clearfield.....	Clearfield.....	1,120	32	28.3*	+0.7	62*	10	-6*	27	35*	3.59	+0.08	1.45	19.5	14	5	11	15	w.	John Hess.
	Coatesville.....	Chester.....	380	52	30.4	-0.1	55	2†	6	20†	29	3.29	-0.67	1.47	13.5	11	10	7	14		Howard L. Pyle.
	Colebrook.....	Lebanon.....	560	28	30.0	+1.5	56	10	2	20	27	3.10	-0.31	1.20	17.1	13	14	4	13	w.	Wm. A. Rorer.
	Emporium.....	Cameron.....	1,050	52	30.6	+4.2	61	10	-4	26	42	3.00	-0.66	1.20	8.7	14	15	0	16	w.	C. E. Koppenheffer.
	Ephrata.....	Lancaster.....	380	47	31.2	+0.6	57	10	2	20	30	3.23	+0.16	1.50	14.2	12	10	4	17	s.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,970	46	25.8	+1.5	56	10	-3	26	25	3.51	+0.27	1.03	16.6	13	3	1	27	w.	Andrew B. Evansla.
	George School.....	Bucks.....	190	33	31.4	-0.3	58	6	-2	20	35	3.78	+0.03	1.73	14.0	10	13	2	16	uw.	Prof. N. W. Swayne.
	Gottysburg.....	Adams.....	553	66	33.0	+0.8	59	9	4	27	32	3.92	+0.59	1.53	11.6	12	14	7	10	nw.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	840	35	28.0	+0.7	58	10	-5	20	37	3.35	-0.42	1.06	21.0	9	9	10	12	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,875	24	19.4	-3.7	45	10	-18†	28	40	3.52	+0.16	1.00	17.0	8	14	1	16	w.	Ronald H. Marshall.
	Harover.....	York.....	600	35	33.9	+0.8	60	9	8	27	29	3.29	+0.14	1.19	11.2	13	14	8	9	s.	Thomas Y. Cooper.
Harrisburg.....	Dauphin.....	337	70	31.8	+2.8	57	10	8	26	27	3.06	-0.03	1.45	15.1	14	6	9	16	nw.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	21	25.1	-0.6	57	10	-11	27	39	2.63	-0.01	1.05	12.9	10	11	6	14	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	24	33.2	+1.0	59	10	9	26	30	3.18	+0.02	1.16	14.0	9	14	5	12	nw.	H. W. Lowy, C. E.	
Huntingdon.....	Huntingdon.....	650	52	31.6	+2.5	65	10	-1	28	37	2.93	-0.27	1.27	12.3	13	6	8	17	w.	Prof. Paul R. Yoder.	
Kyertown.....	Clearfield.....	1,694	8	27.2	-1.4	57	10	-2	26	28	2.87	+0.26	1.31	12.7	16	0	6	25	w.	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	255	52	30.0	-0.3	60	10	-7	20	36	3.12	-0.07	1.55	12.0	11	20	4	7	nw.	Supt. of Water Works.	
Lawrenceville.....	Tioga.....	1,000	42	24.0	-1.5	47	10†	-14	20	40	2.27	+0.30	1.10	23.0	10	3	8	20	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	469	55	29.9	+0.5	56	10	1	20	32	2.89	-0.45	0.95	14.8	12	13	8	10	sw.	Lebanon Valley Gas.	
Lewistown.....	Mifflin.....	500	1	32.8	.....	66	10	7	27†	33	1.95	.....	0.92	11.2	9	4	4	23	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	580	49	30.6	+2.3	62	10	3	26	29	3.01	-0.13	1.34	14.0	12	1	19	11	ne.	Joseph Beaver.	
Marcus Hook.....	Delaware.....	50	13	36.1	0.0	61	5	13	25†	23	3.87	+0.15	2.40	9.7	13	14	4	13	w.	Suu Oil Co.	
Montrose.....	Susquehanna.....	1,620	34	23.1	0.0	52	10	-7	26	34	2.66	+0.21	1.27	14.8	10	3	5	23	w.	Philip F. Chamberlain.	
Mt. Pocono.....	Monroe.....	1,720	33	23.4	-0.3	43	9†	-6	24	30	5.93	+2.96	2.16	13.5	12	8	10	13	nw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	1,045	27	26.0	+0.4	55	10	-10	26	36	2.75	-0.39	0.83	18.5	12	11	9	11	nw.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	60	50	29.3	-0.5	58	6	-8	20	37	4.02	+0.66	1.63	13.2	13	14	3	14	sw.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	1	30.0	.....	60	10	-1	20†	38	3.58	.....	1.50	12.0	11	12	8	11	w.	J. Earl Sneefer.	
Palmerton.....	Carbon.....	398	21	28.8	-1.0	55	10	-4	20	30	2.63	+0.26	1.14	13.3	12	8	10	13	ne.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	68	34.4	+1.8	59	6	12	26	25	4.46	+1.16	2.49	11.0	12	8	6	17	nw.	U. S. Weather Bureau.	
Phila. Navy Yard.....	Philadelphia.....	20	23	32.9	-0.4	55	6†	13	26	24	4.87	+1.61	1.15	10.5	13	7	7	17	w.	Navy Aeronautical Office.	
Phoenixville.....	Chester.....	100	29	31.2	0.0	59	2	-3	20	36	4.02	+0.39	1.74	12.1	13	8	14	9	nw.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	407	1	30.2	+1.0	56	10†	3	20†	29	3.37	-0.15	1.00	17.3	14	16	0	15	n.	E. E. Rarick.	
Quakertown.....	Bucks.....	496	54	28.6	+1.7	54	11	-12	20	37	3.55	-0.27	1.18	12.1	12	10	6	15	nw.	John E. Benner.	
Reading.....	Berks.....	273	69	32.9	+3.5	58	10	8	26	26	3.44	-0.13	1.49	16.1	13	8	7	16	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	45	27.9	+1.3	57	10	2	27	31	2.65	-0.38	1.09	11.5	13	3	7	21	nw.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	455	49	29.0	0.0	60	10	-7	20	41	2.89	-0.13	1.18	13.0	13	9	14	8	w.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	43	32.5	+0.2	58	6	8	20	28	3.71	+0.41	1.97	13.5	14	2	12	17	nw.	W. S. Guiles.	
Shippensburg.....	Cumberland.....	660	6	30.4	.....	61	10	1	27	26	2.57	.....	1.00	13.0	11	7	11	13	w.	State Teachers College.	
State College.....	Center.....	1,217	55	29.7	+2.6	62	10	1	26	27	3.64	+0.56	1.57	15.2	13	5	12	14	w.	C. A. Kern.	
Stroudsburg.....	Monroe.....	500	25	29.6	+2.2	56	4	-6	20	38	3.89	+0.51	1.40	11.5	8	16	4	11	sw.	State Teachers College.	
Towanda.....	Bradford.....	754	45	26.6	+0.7	58	10	-9	20	39	2.40	+0.26	1.23	18.1	14	5	10	16	e.	Mrs. M. I. Ordella Parks.	
Wellsboro.....	Tioga.....	1,419	69	25.8	+1.4	56	10	-11	20	36	2.83	+0.56	1.40	17.6	13	15	3	13	n.	George W. Hill.	
West Chester.....	Chester.....	455	90	32.2	+1.5	56	10	7	26	28	4.14	+0.32	1.78	12.3	10	13	8	10	w.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	1	28.2	.....	59	10	-5	27	32	2.76	+0.37	1.44	11.1	12	6	7	18	ne.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	521	53	28.6	+0.7	58	10	-1	20	37	2.79	-0.17	0.88	13.2	10	15	2	14	w.	Mrs. Ralph F. Keller.	
Williamstown.....	Dauphin.....	1,275	24	29.6	+0.7	60	10	2	26	30	2.46	-0.60	0.96	13.0	11	10	5	16	sw.	Susquehanna Collieries Co.	
York.....	York.....	400	51	31.4	+0.9	59	10	-3	27	33	3.05	-0.02	1.29	12.0	12	13	11	7	w.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,173	49	24.8	-0.3	56	10	-10	26	41	3.47	+0.24	1.19	19.9	19	1	5	25		Frank S. Fawcett.
	Butler.....	Butler.....	1,077	26	31.7	+1.6	61	10	-4	26	34	3.11	-0.12	1.35	21.0	14	8	6	17	w.	William C. Faust.
	Chambersville.....	Indiana.....	1,047	38	31.4	+1.8	62	5†	-5	26	42	2.81	-0.95	1.00	22.8	14	9	3	19	w.	John E. Lewis.
	Clairton.....	Allegheny.....	1,020	7	32.2		64	4	0	23	34	2.78	-1.07	0.70	11.8	13	3	3	25	s.	Carnegie-Illinois Steel Corp.
	Claysville.....																				

Daily Precipitation for January, 1939

Stations	Drainage Basin	Day of month																															Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh					.67				T.	.05			.65	.01			.06	.06	T.	.07	.01	.07		T.			.05		.40	.92	3.02		
Altoona ²	Juniata			.03	.13					.07			.70	.10		.10		.30	.10		.10	.36		T.	.10	.40	.20		T.	.80	.10	3.59		
Ausonia ²	W. Br. Susq.	T.		.42						T.			T.	.25	.03		.01	.03	.09	.02	.05	.15	T.	.03	.02	.02			.65	.58	2.35			
Ardmore ³	Lower Del.			.14						.08			.90	.14		T.		.24			.10	T.		.02	.03			.90	1.38	.22	4.15			
Arendtsville ²	Lower Susq.			.01	.89					.06		T.		.69	T.		T.	.11	.23	T.	.04			T.		.09	T.		.04	1.17	.42	3.71		
Baker's Summit	Juniata			.04	.16								.40	.25				.25	.10			.10	.20		.04	.19	.03	.08	1.37	.16	3.87			
Bald Eagle ¹	Middle Susq.			.31									.24	.12				.30		.04	.14	.11		.10	.02	.07		.04	1.27	.01	2.77			
Bedford	Juniata			.04	.03					.03			.80	.10		.10		.35	T.	.21	T.		T.	.01	T.	.40	.20	T.	1.20	.10	3.56			
Bellefonte	W. Br. Susq.			.10	.08					T.			.40	.30				.22	T.	.05	.03		.01	T.	T.	T.		T.	1.30	T.	2.49			
Berwindale ¹	W. Br. Susq.			.26					.02	.12			.51	.09		.08	.01	.36		.08	.28	.02	.17		.10			.10	1.55	.03	3.78			
Bethlehem	Lehigh			T.	.66					.11	T.		.22	.37				.19	.09		.06	.12		T.		T.	.01	.07	1.24	.17	3.31			
Big Kuob ²	Middle Susq.			T.	.37					.03			.47	.01				.14	.13		.05	.08		T.	T.		.10	T.	.42	.77	2.57			
Bloomsburg	Susquehanna			.41						.05			.52	.02		T.		.25	.10		.12	.03		T.	T.	.01		.01	1.35	.18	3.05			
Blossville	Lower Susq.			.45						.02			.60	T.		T.		.23		.10			T.	T.	.08			.05	.27		1.70	.10	3.26	
Buffalo Mills ²	Potomac			.09						.02			.94				.05	.21	.20		.08	.18		T.		.05	.27		.125	.27	3.61			
Carlisle	Lower Susq.			.16	.28					.04			.62	.26		T.		.32	.04		.04	.04	T.		T.		.14	T.	.05	1.22	.19	3.40		
Carter Camp ¹	W. Br. Susq.			.56						.07			.38	.11				.23	.04	.03	.15	.11		.08	.02			.06	1.27	.04	3.15			
Center Hall	Susquehanna			.73						.07	.58		.12			.06		.48		.26					.07	T.		.05	.88	.07	3.37			
Chambersburg ²	Potomac			.31						.02		T.	.65				T.	.17	.14		.08	.05		T.	T.	.17			1.06	.28	2.93			
Clearfield ²	W. Br. Susq.			.22						.05		.05	.64	.04		.05		.15	.09		.14	.12		.11	.07		.09	T.		1.45	.37	3.59		
Coatesville	Lower Del.			.01	.59					.05			.55	.01				.03	.01		.01	T.						.55	1.47	.01	3.29			
Colebrook	Lower Susq.			.05	.21					.09			*	.69		T.		*	.41		.08	.05		T.	T.	.05		.09	1.20	.18	3.10			
Conshohocken	Schuylkill																																	
Covington ²	N. Br. Susq.			.24									.32					.20						T.					.50	.50	1.76			
Doylestown	Lower Del.			.38						.16			.22	.63				.33	.08		.08	.03		T.					.24	1.34	.16	3.65		
Driftwood ¹	W. Br. Susq.			.24	.01					.11			.34	.08			.03	.01	.18		.01	.20	.09		.06	.03	*		*	1.30	2.69			
Du Bois	W. Br. Susq.			.02	.26					.06	T.	.02	.24	.26		.03		.06	.03		.08	.12		.05	.04	.01	.05	T.	.12	1.14	.10	2.69		
Emporium	W. Br. Susq.			.27						.07			.16	.27		.10		.20	.05		.05	.25		.10	.06			*	.10	1.20	.22	3.00		
English Center ¹	W. Br. Susq.			.44	.05					.04			.32	.08				.23	.03	*	.18	*		.02		.04	*	*	1.51	2.94				
Ephrata	Lower Susq.			.23						.16		T.	.44	.22				.16	.11		.06	.03		T.		.04	T.		.13	1.50	.15	3.23		
Forest City ²	N. Br. Susq.			T.	.81					.05			.37	.05				.04	.13	T.	.03		.13		.07				.91	1.01	3.60			
Fredericksburg ²	Schuylkill			.34						.08	.03	T.		.77		T.		.22	T.	T.	T.	T.	T.	T.	T.				.92	1.17	3.53			
Freeland ²	Lehigh			.30	1.03					.02	T.	T.		.67	.02		T.	.08	.27	.02	.09	T.	T.		.04	T.		.03		.36	.58	3.51		
Galeton	N. Br. Susq.			.11	.41					.03			.27	.20		.02	T.	.16			T.	.19		.07	T.	.03	T.		.10	1.20	.10	2.95		
George School	Lower Del.			.31						.12			.31	.60				.09			.12	T.		.03	T.	T.			.33	1.73	.14	3.78		
Gettysburg	Potomac			.07	.74					.01	T.		.49	.27				.31	.02		.02	T.		T.	.20	T.			.19	1.53	.07	3.92		
Girardville ²	Lower Susq.			.16						T.			*	.74			T.	*	.80	.20	.05		.03			.06		.01	.13	.03	3.21			
Gordon	Lower Susq.			.05	1.06								.30	.60				.20	.05		.05	.10							.94		3.35			
Gouldsboro ²	Lehigh			.93									1.00					.15	.35				.10						.10	.79	3.52			
Graterford	Schuylkill			T.	.71					.08			.03	.52				.31	.11		.19	.02	.03		T.	.02		.04	.78	.17	3.01			
Hanover	Lower Susq.			.01	.41					.01			.36	.34				.22	.03		.02	T.		T.	.07	.01		.45	1.19	.17	3.29			
Harrisburg ¹	Lower Susq.			.44	.01					.03		T.	.55	.05		T.		.28	.01	.02	.04	.01		T.	T.	.03	T.		.07	1.44	.08	3.66		
Hawley ²	Upper Del.	T.		.49						T.	T.		T.	.48	.05			T.	.09	T.	.06	T.	T.	.01	.03	.01	T.		.36	1.05	2.63			
Holl sterville ²	Upper Del.		T.	.47						T.	T.		.49	.08	T.			.05	.13	T.	T.		.04		.09	.02	T.		.20	1.50	3.07			
Holtwood ²	Lower Susq.			T.	.03					.04			.62	.08			T.	.10	.16		.03	T.	T.		T.		.08		.05	1.27	.20	2.93		
Huntingdon	Juniata			.09	.08					.02			.54	.05		.04		.35	T.		.11	.05	T.		T.	.08			.05	1.27	.20	2.93		
Huntsdale ¹	Lower Susq.			.40						.03			.43	.01	.04	.06		.19		.02	.05	.04		T.	.02	T.		.05	.09	1.23	.07	2.71		
Hyndman ²	Potomac			T.						T.			T.	1.17			T.	T.	1.25	.15		.50	.09	T.	T.	.02	T.		T.	1.20		4.38		
Kylertown ²	W. Br. Susq.			.03	.29					.01	T.	T.	.22	.17	T.	.03	T.	.28	.06	T.	.04	.07	T.	.01	.21	.05	.01	T.	T.	1.31	.08	2.87		
Lakeville ²	Upper Del.			.02	.45								.15	.03			T.	.15		.07	.02	.01	.01	.01	.07	T.	.05		.77	1.05	3.20			
Lancaster	Lower Susq.			T.	.18					.10	T.		.29	.40				.15	.12	.01				.03	T.				.12	1.55	.17	3.12		
Lansford ²	Lehigh			.67						.07			.45					.15	.30	T.	.11	.02		T.					.33	1.16	3.26			
Lawrenceville	N. Br. Susq.			T.	.15					.05	T.	.10	.30		T.	T.		.10	.15		.05	T.						.05	1.10	.22	2.27			
Lebanon																																		

Daily Precipitation for January, 1939—Continued from page 3

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Sellersville ¹	Lower Del.				.60	.15					.20			.57					.15	.05		.08	.07							.39	1.04	.08	3.38	
Shade Gap ¹	Middle Susq.				.14									.47	.03	*	*		.21	.01	.05	.05	.08				.08			.10	1.20	.03	2.45	
Shawmont	Schuylkill				.19						.06			.30	.47				.17	.03		.05	.05		.02		.01	.01		.18	1.97	.20	3.71	
Shippensburg	Lower Susq.				.03	.30					.03			.55	.03				.28	1		.06								.12	1.00	.05	2.57	
State College	W. Br. Susq.				.20	.12					T		T	.59	.15				.44	.02	T	.14	.10	T	.03	T	.15	T		.05	1.57	.08	3.64	
Stroudsburg ²	Upper Del.				1.15									.60					*	.15		.12	.25	T		T				1.40	.22	3.89		
Sunbury ²	Lower Susq.				T	.37					.03			.69	.07				.23	.24	.02	.10	.03	T				.02			.55	.91	3.26	
Susquehanna ²	N. Br. Susq.	.05				.41					.02	T		.24	.03				.03	.10	T	.03	T	.04		.07	.01	T		.42	.70		2.15	
Towanda	N. Br. Susq.				T	.01	.20		T		.01	T	T	.19	.17	T	T	T	.19	.09	T	.06	.01	T	T	.03	.02	T		.05	1.23	.14	2.40	
Weikert	Lower Susq.				.20									.32	.21				.40		.20	.10	.05				.05			.90	.20	2.63		
Weisboro	N. Br. Susq.				.05	.33					T			.19	.26				.15	.04	T	.04	.09	T	.01	.03	T			.05	1.40	.19	2.83	
Wernersville ² [nr]																																		
West Chester	Schuylkill										.05			*	1.00				.25			.05				T	.05			.43	1.78	.12	4.14	
Westgrove ²	Lower Del.						.23					.06			.55				.10	.16		.01		.02	T		.08			.10	1.06	.93	3.20	
Wilkes-Barre ² *	N. Br. Susq.				T	.39					T		T	.31	.11	T	T	T	.11	.11	T	.07	T		T	.02	.02	.02		.04	1.44	.12	2.76	
Wilkes-Barre ² †	N. Br. Susq.				T	.51					T		T	.32	.11	T	T	T	.04	.19		.05	T		T	.02	.02	.02		.03	.40	.98	2.70	
Williamsport	W. Br. Susq.				.03	.42					.01	T		.39	.18			T	.11	.22	T	.07	.04	T		T				.62	.88	.28	2.79	
Williamstown	Lower Susq.				T	.96					.04		T	.12	.18			T	.10	.12		.03		T	T	.02	.02			T	.80	.07	2.46	
York	Lower Susq.				.01	.25					.05			.35	.32				.23	.10			.02							.19	1.29	.16	3.05	
York Haven ²	Lower Susq.				.35									.67					.18	.10		.04	.01					.06		.54	.98		2.93	
Zionsville (near)	Schuylkill				.05	1.50					.33			.70	.74				.31	T		.30	.04			T				.34	.72	.34	5.37	
Trenton, N. J. ¹	Lower Del.				.06	.25					.12			.77	.04				.25	.13		.19	.01		.02	.01				.78	1.40	.15	3.89	
Ohio Drainage																																		
Acmetonia ²	Allegheny					.10					.02	.01		.26	.02				.15	.12	T	.09	T	T	.04	.05	.04	.11	T	.03	1.20	.49	2.73	
Beaver Falls ²	Beaver				T	.11					T	T	T	.62	T			T	.10	.04	T	.03	T	T	.05	.10	.05	.15	T	.07	.93	.95	3.20	
Blairsville ²	Allegheny				T	.02					T		T	.38	.21			.06	.17	.23	.13	.23	.21	.18	.02	.12	.03	.16	.12	.03	.91	.90	4.11	
Bradford	Allegheny	T			T	.19					.41			.03	.21			.07	.02	.12	.03	.02	.16		.03	.02	T	T		.30	.64	.09	2.21	
Brookville ²	Allegheny				T	.18					.04	.13		.69	.08			.03	.09	.06	.01	.13	.05	.05	.10		.10	.06	.04	1.19	.39		3.47	
Buckstown ¹	Allegheny				.16						.02			.42	.04			.09	.18	.02	.03	.10	.24		.08	.03	.21	.03			.10	.90		2.65
Butler ²	Ohio	.05			.17						.15			.50				.03	.12	.02		.05	.12		T	.05	.05	.04		1.35	.50		3.11	
Chambersville	Allegheny				T	.13					.15			.27	.10			T	.12	.02		.11	T	.11	.05	.07	.04			.13	1.00	.51	2.81	
Clairton ³	Monongahela				.03	.10					T			.68	.04			.04	.04	T	.14	T	.10		.04	.05	T			.70	.66	.16	2.78	
Clarion ²	Allegheny	.01			.21						.04	.19		.55	.12			.02	.07	.09	.03	.14	.06	.01	.07	.08	.08	.06		.09	1.19	.56	3.67	
Claysville	Ohio				.21	T					.03			.40	.11			.26	T	.01	.06	.01	.02	.02	.02	.09	.03			.24	.83	.21	2.55	
Conduence ²	Youghiogheny				.13						.16			.04	.60	T		.10	.15	.20	T	.20	.20	.06	.06	.07	.08	.33	T		1.02	.80	4.20	
Connellsville ²	Monongahela						.11				T	T		T	.51	T		.02	.06	.14	T	.07	.11	.01	T	.01	T	.12	T	.39	.81		2.26	
Corry	Allegheny				*	.38					.50			.70				.08	.06	T	T		.17	.07		.10	.75			.20		.15	3.16	
Coudersport	Allegheny				.05	.36					.07			.08	.40			.02	.15	.02			.45		.02	.03				.28	.80	.15	2.88	
Dahoga	Allegheny					.03								.35	.05	.20		.10	.10	.05	.05	.10						.11		.14	1.31		2.59	
Derry	Conemaugh					.10								.49	.05			.16	.03		.10	.02		.02	.02	.17	.20			.03	1.10	.57	3.06	
Donora ²	Monongahela				T	.11					.02		T	.94	T			.18		.05		T		.02	.02	.08	.05	T		.16	1.20	.01	2.82	
Dunlot	Allegheny				.24						.12			.30				.09	.11	.02	.08	.23	.20		.17	.02	.14			.11	.91		2.75	
Ebensburg	Conemaugh				.12						.06		T	.50	.24			.40	.14		.20	.43		.18	.26	.12	.18			.04	1.37	.36	4.60	
Franklin ²	Allegheny				.25						.08	.05		.36				.02	.05		.08	T	.21	.07	.10	T	.05	.05	T	1.12	.52		3.05	
Greensboro ²	Monongahela				.10						.07	T		.05	.50	.01	T	T	.06	.17	.01	.04	.04	T	.04	.07	.09	T		.75	.72		2.73	
Greensburg	Youghiogheny				T	.07					.03		T	.43	.14	T	.01		.28	.02	T	.12	.05	T	T	.06	.21	.12		.08	1.11	.65	3.38	
Greenville	Beaver				.05	.06					.10			.17	.50		.15		.08	.15	T	.05	.08	T	.05	.12	.10	T		.35	.95	.15	3.19	
Grove City	Beaver				.13	.05					.12			.30	.10		.03	T	.11	.04	.01	.05	.03		.04	.07	.04			.20	.74	.29	2.42	
Irwin	Monongahela				.05	.16					.05	.01		.70	.06			.02	.04	T		.08	T	.06		.16	.05			.18	1.08	.39	3.09	
Johnstown	Conemaugh				.03	.04					.09		T	.48	.08			.07	.28	.05	T	.23	.24	.03	.04	.11	.29	.09		.03	1.26	.25	3.69	
Kegonsa ²	Youghiogheny				.15						.08	.02	T	.62	.02			.05	.13	T	.21	.09	.02	.03	.05	.19	.03			.66	.77	.04	3.29	
Lake Lynn ²	Monongahela				.13						.12			.05	.44	.01		.04	.04	.22	.04	.08	.04		.08	.05	.15			.50	.88	.38		
Linesville ²	Beaver				.07						.13			.47	T	.06	*	.05	.02	.01	.08	.04	.02	.04	.02	.02	.03	.01	.39	.80	.18	2.44		
Lock No. 22	Ohio				.03	.16					.04			.12				.18		.06	.06		.02		.01	.01	.06	.10		.96	.19		2.00	
Lock No. 42	Monongahela				T	.12					.02		T	.86				T	.13	.12	T	.07	.03	T	.0									

Daily Temperatures for January, 1939

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Altoona.....	Maximum.....	40	46	48	48	46	47	58	60	57	61	49	46	30	26	29	33	34	30	26	27	36	42	24	37	23	10	23	31	35	33	35	37.4	
	Minimum.....	29	32	27	32	32	41	28	35	29	39	32	27	20	19	8	14	16	22	16	11	22	16	7	16	6	-1	7	4	25	30	21	21.3	
Bedford.....	Maximum.....	46	52	67	65	46	50	68	64	59	66	64	40	35	29	27	36	38	32	30	32	41	42	31	38	18	26	35	37	37	38	41.2		
	Minimum.....	35	27	35	35	34	40	24	38	29	39	36	26	21	21	0	16	13	25	18	3	23	20	10	21	13	3	10	-4	23	34	23	22.3	
Bethlehem.....	Maximum.....	41	62	49	36	42	53	53	52	64	55	66	44	37	29	38	33	35	31	29	29	30	25	28	38	37	21	22	34	40	34	34	38.8	
	Minimum.....	30	35	34	29	30	37	39	40	28	39	42	33	24	20	18	14	27	19	17	9	20	24	11	18	20	8	9	14	28	32	23	24.9	
Bloomsburg.....	Maximum.....	40	49	42	40	45	51	64	47	51	59	62	39	33	32	44	30	35	30	30	33	34	41	27	38	36	18	25	34	37	39	37	38.5	
	Minimum.....	28	30	29	27	31	31	31	33	21	30	37	30	23	22	-1	4	17	22	17	-6	16	23	7	10	15	-1	1	-3	21	33	23	19.4	
Brookville.....	Maximum.....	40	40	33	55	49	42	39	63	58	66	56	34	27	27	23	32	35	29	23	30	33	33	33	35	36	12	23	32	36	39	35	35.6	
	Minimum.....	27	24	24	22	24	29	22	23	18	23	32	27	19	19	0	2	20	23	-3	-4	0	27	1	10	12	-10	-3	-7	-6	32	19	14.1	
Butler.....	Maximum.....	45	40	68	57	68	56	55	58	58	61	63	37	53	30	32	32	34	32	30	23	37	35	25	35	33	16	24	40	38	39	35	40.7	
	Minimum.....	22	25	26	29	42	39	24	24	26	49	33	28	26	24	1	26	25	26	18	12	28	10	8	23	11	-4	8	10	33	33	19	22.7	
Carlisle.....	Maximum.....	45	64	46	43	40	66	55	52	55	66	56	42	38	45	36	33	39	30	23	28	36	42	25	34	37	17	30	34	36	35	35	39.7	
	Minimum.....	25	24	26	28	31	36	30	31	22	33	42	32	22	20	8	7	26	21	24	4	18	25	15	10	17	2	3	2	24	34	28	21.5	
Chambersburg.....	Maximum.....	44	64	46	45	37	57	54	62	57	62	56	41	36	32	37	40	32	32	29	39	41	25	37	38	16	30	37	37	34	37	40.5		
	Minimum.....	35	34	29	30	32	36	27	39	26	35	38	34	24	22	5	13	26	22	21	5	22	23	14	22	16	9	5	7	27	32	27	23.8	
Chambersville.....	Maximum.....	40	47	67	61	62	54	67	54	61	62	52	38	32	29	35	36	33	32	29	33	38	49	25	36	34	19	24	40	41	39	40	41.6	
	Minimum.....	22	35	26	29	45	39	22	32	19	42	31	26	20	24	2	20	17	23	11	10	26	18	5	16	10	-6	6	6	31	33	17	21.1	
Claysville.....	Maximum.....	44	50	59	65	64	56	58	52	60	58	63	44	42	40	34	39	37	35	34	32	39	40	49	30	36	26	26	39	42	47	43	41.0	
	Minimum.....	28	40	29	40	49	39	26	29	26	46	31	24	23	21	7	28	20	27	18	5	30	19	0	24	14	3	11	10	33	36	20	24.4	
Clearfield.....	Maximum.....	33	...	23	31	33	33	25	29	19	45	32	22	21	1	13	21	23	8	0	5	22	7	14	13	-2	4	-6	9	35	33	21	18.6*	
	Minimum.....	24	...	23	31	33	33	25	29	19	45	32	22	21	1	13	21	23	8	0	5	22	7	14	13	-2	4	-6	9	35	33	21	18.6*	
Coatesville.....	Maximum.....	45	65	45	36	50	54	51	47	63	55	48	39	33	33	31	34	40	28	30	29	35	42	24	36	35	18	21	33	42	34	33	38.4	
	Minimum.....	29	35	29	26	30	40	32	34	24	33	37	31	22	26	12	12	14	19	16	6	14	23	9	15	13	6	7	7	26	31	24	22.3	
Corry.....	Maximum.....	32	41	49	54	50	47	52	47	55	54	38	33	26	28	32	31	32	30	25	28	34	42	25	30	30	18	25	36	40	35	35	36.5	
	Minimum.....	17	25	20	27	35	30	23	20	23	34	25	20	15	17	0	17	20	17	10	10	20	12	5	14	4	-5	-1	9	28	28	10	17.4	
Coudersport.....	Maximum.....	33	43	41	42	45	46	52	48	50	55	46	32	25	24	34	31	30	26	26	29	35	40	26	31	30	14	-2	36	38	35	35	35.5	
	Minimum.....	19	24	25	28	28	34	25	30	18	35	30	23	20	20	5	10	22	19	8	-1	20	18	4	14	8	-1	-6	2	25	20	15	17.8	
Dahoga.....	Maximum.....	42	46	49	47	46	46	62	50	51	54	36	35	30	29	29	29	29	29	28	26	24	...	49	32	28	11	18	34	35	36	35	36.2*	
	Minimum.....	19	17	23	32	30	33	28	22	27	26	20	14	12	8	16	17	13	4	7	5	...	5	2	4	-6	0	8	29	30	33	16	16.9*	
Donora.....	Maximum.....	49	52	61	68	64	52	60	52	61	62	44	39	35	35	41	38	36	34	27	35	61	51	33	29	26	2	44	48	36	42	44	42.4	
	Minimum.....	32	34	33	44	52	35	32	36	31	44	38	32	24	21	14	28	24	27	18	14	35	16	12	29	11	19	16	18	38	27	22	27.4	
Ebensburg.....	Maximum.....	38	45	53	52	45	42	50	48	51	57	60	37	32	22	28	32	32	31	25	26	35	35	27	34	28	11	19	16	38	41	42	31	36.8
	Minimum.....	25	36	25	34	32	39	29	29	43	29	21	17	16	8	18	19	19	14	10	20	14	5	16	7	3	5	7	26	34	31	20	20.2	
Emporium.....	Maximum.....	45	42	42	53	47	53	56	57	50	61	52	40	32	26	35	32	34	34	27	30	37	48	37	36	39	20	23	41	37	40	39	40.9	
	Minimum.....	24	27	27	35	35	40	29	35	18	31	34	28	20	22	8	11	25	22	10	9	23	30	10	12	12	-4	-1	-1	37	40	39	20.9	
Ephrata.....	Maximum.....	44	54	45	39	50	54	56	49	52	67	53	41	35	33	34	35	38	35	28	28	33	41	29	39	36	17	26	34	41	37	35	39.6	
	Minimum.....	24	37	30	28	33	39	35	32	26	40	39	33	24	22	6	9	23	21	19	2	14	23	12	16	16	8	7	4	29	33	27	22.9	
Erie.....	Maximum.....	45	46	43	46	56	47	53	36	60	59	36	31	28	27	32	33	30	28	32	30	45	45	27	32	26	16	8	11	21	33	22	16	24.5
	Minimum.....	24	29	27	25	43	36	36	32	35	35	31	25	22	22	17	28	26	22	19	21	29	14	13	26	10	8	11	21	33	22	16	24.5	
Franklin.....	Maximum.....	45	46	51	54	50	42	55	42	58	56	37	33	28	30	33	28	30	32	32	33	31	46	36	32	34	14	17	25	37	37	38	37.4	
	Minimum.....	10	25	24	27	34	41	28	29	23	25	33	28	23	22	7	32	33	31	24	31	32	24	31	46	36	32	34	14	17	25	37	38	37.4
Freeland.....	Maximum.....	35	31	25	19	24	38	33	31	26	38	30	24	18	18	11	18	28	27	25	22	24	28	15	18	33	11	16	26	36	35	30	32.7	
	Minimum.....	25	31	25	19	24	38	33	31	26	38	30	24	18	18	11	18	28	27	25	22	24	28	15	18	33	11	16	26	36	35	30	32.7	
George School.....	Maximum.....	46	55	43	38	48	58	54	52	54	55	51	43	36	31	31	37	34	41	37	34	41	37	34	41	37	34	41	37	34	41	37	34	41.9
	Minimum.....	29	36	31	32	33	45	34	35	24	35	35	30	24	21	10	5	18	21	19	-2	12	18	18	11	16	5	5	9	26	33	24	24.4	
Gettysburg.....	Maximum.....	47	56	50	46	40	57	53	53	59	58	58	43	38	39	37	39	41	34	33	28	35	31	38	40	19	31	34	39	36	41	41.6		
	Minimum.....	33	35	30	30	32	40	28	42	27	39	39	34	23	23	9	14	27	23	21	5	19	28	12	20	18	8	4	6	30	32	29	29.5	
Gordon.....	Maximum.....	40	48	37	38	39	50	53	47	52	58	52	39	32	29	35	31	32	29	24	32	32	37	33	36	34	16	22	30	38	36	34	36.6	
	Minimum.....	27	31	26	26	29	34	30	28	20	33	36																						

Daily Temperatures for January, 1939—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum....	42	50	47	37	43	52	50	50	50	56	56	44	38	26	33	34	34	34	27	25	30	40	30	36	36	21	22	32	36	36	36	38.2
	Minimum....	22	33	27	27	20	36	34	29	22	33	39	31	24	21	13	9	29	22	17	3	17	23	12	15	19	7	9	8	23	32	25	22.1
Quakertown.....	Maximum....	43	52	48	35	45	53	51	46	49	53	54	42	35	28	29	32	36	32	27	25	29	40	27	39	35	18	20	31	40	35	34	37.5
	Minimum....	21	34	32	26	29	43	36	34	22	32	37	32	22	19	11	-1	25	17	10	-12	5	14	10	6	17	5	5	-3	26	32	23	19.6
Reading*.....	Maximum....	48	55	43	39	54	56	56	48	56	58	48	42	32	32	32	35	36	36	31	29	31	32	43	29	42	37	15	25	37	41	39	39.6
	Minimum....	35	41	34	31	33	45	41	36	30	44	40	32	24	22	17	15	30	21	19	14	20	18	14	23	13	8	11	17	32	31	21	26.2
Retreat.....	Maximum....	38	48	42	40	47	50	51	47	47	58	53	39	33	33	28	21	34	32	25	26	30	40	23	37	36	17	22	32	36	39	36	37.1
	Minimum....	28	26	28	28	29	37	33	24	20	30	33	29	20	20	20	6	20	20	14	-2	15	21	4	11	11	-2	-6	-2	21	33	18	19.0
Ridgway†.....	Maximum....	34	44	41	52	54	50	41	53	41	54	55	35	33	25	27	36	32	32	28	22	29	43	36	32	34	13	14	22	40	38	36	36.3
	Minimum....	9	22	25	30	34	36	25	24	18	18	31	27	17	20	8	8	23	20	6	1	3	27	8	9	12	-2	-2	-2	4	33	18	16.5
Scranton*.....	Maximum....	40	48	36	37	47	50	52	41	48	57	42	33	29	28	30	32	33	25	22	21	31	39	23	37	34	11	19	32	36	37	27	34.8
	Minimum....	27	32	30	28	30	41	38	34	28	39	32	24	22	22	13	12	24	19	10	7	16	8	6	19	6	2	2	6	29	27	17	21.0
Selinsgrove.....	Maximum....	42	49	43	39	47	52	50	45	52	60	55	40	36	30	30	29	37	29	29	29	27	45	40	24	35	37	23	25	31	36	37	38.1
	Minimum....	28	31	29	28	31	34	33	33	11	35	36	31	22	22	8	3	25	19	19	-7	15	23	8	11	14	-2	1	-2	23	31	22	19.8
Somerset.....	Maximum....	42	41	54	57	47	47	53	46	58	55	49	34	29	26	37	32	34	27	26	29	37	42	27	34	31	21	21	35	40	37	35	38.2
	Minimum....	30	37	35	37	34	38	25	33	20	48	30	25	20	19	-4	10	8	22	14	-10	25	15	6	16	7	-9	9	-16	27	30	17	20.5
Springs.....	Maximum....	40	42	50	54	45	46	50	45	55	58	45	33	27	25	34	32	34	26	25	29	38	43	25	34	26	22	18	36	38	37	35	37.0
	Minimum....	28	37	39	40	32	33	30	33	38	42	26	25	18	18	16	22	17	22	13	15	25	13	5	21	11	2	7	10	26	31	16	22.7
State College.....	Maximum....	46	44	46	45	45	47	54	50	64	62	45	40	28	28	34	33	33	27	25	30	36	40	24	37	32	14	23	35	38	35	34	37.5
	Minimum....	25	34	27	31	33	38	29	35	30	44	43	27	23	20	11	12	20	21	15	12	21	15	7	16	8	1	5	8	26	30	22	21.9
Stroudsburg†.....	Maximum....	41	44	48	56	54	52	48	42	52	53	46	37	36	29	39	34	38	36	33	32	30	40	29	42	28	22	28	32	39	34	30	35.5
	Minimum....	33	30	34	35	34	36	34	33	22	33	37	30	21	20	3	6	12	33	14	-6	11	23	8	11	22	4	-3	0	20	30	23	20.7
Towanda.....	Maximum....	41	46	41	39	47	50	55	45	47	58	43	36	28	24	33	34	35	25	25	21	34	37	27	34	33	13	24	33	35	37	33	35.9
	Minimum....	26	29	25	24	30	38	32	31	20	36	31	25	22	20	-4	1	21	19	11	-9	14	12	2	12	6	-1	-5	-6	25	32	15	17.2
Uniontown.....	Maximum....	48	53	60	69	60	56	57	53	62	65	53	39	34	33	42	38	41	35	32	34	41	51	32	37	35	26	27	40	44	47	43	44.7
	Minimum....	30	41	34	45	45	43	26	22	26	43	35	30	26	25	16	31	27	31	20	19	32	23	10	27	14	6	14	10	34	40	23	27.7
Vandergrift*.....	Maximum....	48	52	62	67	60	54	48	62	63	58	45	39	33	34	37	35	33	34	28	34	48	52	26	40	38	20	32	42	45	42	43	43.8
	Minimum....	26	29	27	31	48	34	26	24	42	51	34	28	23	12	4	15	23	25	15	32	15	8	26	3	2	11	10	84	32	22	23.5	
Warren.....	Maximum....	38	44	51	52	49	47	55	46	54	55	38	32	25	25	32	32	31	30	24	31	35	43	26	32	29	18	23	38	37	36	34	36.8
	Minimum....	22	30	25	31	38	37	30	28	22	37	30	20	19	21	7	19	25	23	4	15	25	12	10	20	6	0	5	18	32	33	17	21.2
Waynesburg.....	Maximum....	45	50	59	65	65	56	56	52	60	62	52	39	34	35	46	37	38	33	31	33	40	50	29	35	34	27	26	37	43	51	43	43.8
	Minimum....	31	44	35	36	50	40	29	34	27	51	33	28	26	23	10	30	25	29	20	13	31	22	9	27	13	2	13	11	34	38	22	20.7
Wellsboro.....	Maximum....	35	44	39	38	44	47	51	45	49	56	45	32	24	21	21	33	33	25	20	21	36	38	22	35	3	10	23	35	36	33	34	34.1
	Minimum....	25	31	24	26	31	39	30	27	20	38	32	24	21	20	-6	6	22	18	9	-11	20	14	2	13	7	-5	-5	-1	23	31	16	17.5
West Chester.....	Maximum....	45	55	47	38	49	55	53	50	55	56	50	49	34	33	34	35	39	29	30	31	35	42	26	35	34	25	25	34	41	36	34	39.4
	Minimum....	28	35	32	29	33	43	35	35	27	37	37	32	23	23	11	16	26	21	17	10	0	25	10	17	5	7	9	11	28	3	25	24.5
Wilkes-Barre.....	Maximum....	39	50	40	37	45	53	52	45	48	59	50	37	29	29	32	32	32	26	27	30	30	40	22	36	36	11	21	32	36	38	33	36.5
	Minimum....	28	29	29	28	31	39	36	29	22	32	35	28	23	21	0	8	19	19	14	-2	16	22	7	15	10	4	-5	4	26	33	19	20.0
Williamsport.....	Maximum....	40	46	42	39	46	50	52	46	43	58	54	37	32	28	32	28	34	31	28	23	32	40	23	35	34	15	24	37	34	38	36	36.7
	Minimum....	29	34	30	32	32	32	31	32	23	34	35	30	24	22	3	9	26	24	20	-1	20	20	4	12	8	0	12	35	32	23	20.6	
Williamstown.....	Maximum....	42	49	46	40	38	50	53	56	54	60	53	39	35	25	40	35	32	32	25	28	25	44	36	35	35	16	22	27	35	38	33	38.0
	Minimum....	26	30	28	30	26	36	33	35	30	39	33	28	19	18	13	18	22	17	16	7	16	23	6	16	14	4	12	23	27	19	21.5	
York.....	Maximum....	45	55	48	44	49	56	53	49	57	59	55	44	39	35	32	35	39	31	29	30	35	42	28	43	37	19	27	36	43	36	35	40.8
	Minimum....	28	34	27	26	33	34	26	32	24	38	40	29	24	23	3	12	20	24	21	-2	15	28	6	18	19	9	-3	5	28	34	29	22.1

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. ., ., ., etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:40 p. m.	Percentage of sunshine
Erie.....	30.00	30.42	6	29.42	30	10.6	35	se.	5	83	74	77	20
Harrisburg.....	30.05	30.45	28	29.29	30	8.3	38	nw.	22	78	62	69	50
Philadelphia.....	30.05	30.47	28	29.37	30	13.1	41	nw.	25	72	67	70	46
Pittsburgh.....	30.10	30.42	6	29.33	30	12.6	45	w.	22	82	69	73	30
Reading.....	30.06	30.47	28	29.41	30	11.6	48	nw.	22	67	56	61	41
Scranton.....	30.04	30.44	4	29.39	22	6.5	33	nw.	22	76	62	65	39

CLIMATOLOGICAL DATA

PENNSYLVANIA SECTION.

G. S. BLISS.
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GENERAL SUMMARY.

Records for February show fairly large excesses of both temperature and precipitation in all parts of the State. Temperatures were above the normal on 16 to 18 dates, with excess departures of as much as 20 degrees on the 19th and 20th. The coldest period followed immediately, and centered on the 23d with temperature deficiencies averaging 15 degrees or more. Precipitation occurred at frequent intervals during the month, with greatest amounts generally during the first and last weeks. Excess departures exceeding two inches were reported at about one-half of the stations. The average for the State was the greatest for February since 1909. On account of mild temperatures, the snowfall averaged about two-thirds of the February normal. Several stations in the southeastern counties reported monthly amounts too small to measure. Amounts in excess of 10 inches were measured at more than one-half of the stations in the western half of the State and in the northern tier of counties, with the greatest depth 26 inches at Coudersport. The highlands on either side of the divide, from Ebensburg northward, were snow-covered during the entire month. The first period of heavy rains centered on the 3d, and the rains were heavy enough to raise many streams to bankfull stages. In the Monongahela watershed the rains were supplemented by melting snows on the mountains, and that stream rose 7.4 feet above the flood stage at Lock No. 7, and was in full flood from that station to its mouth. The property damage was estimated at \$20,000, most of which occurred at Brownsville, Pa. Severe local storms occurred in the region to the south and east of the Blue Ridge mountains on the 15th. The observer at Coatesville reported straight-line gales that did minor damage in the city and vicinity to a total of many thousands of dollars, but of such character that accurate estimates were impossible. In the region a few miles north of Ephrata the damage indicated the work of a tornado, although no funnel cloud was observed. At Bath, in Northampton County, a funnel cloud was destructive in a path from 25 to 40 feet in width, for a distance of about one mile. The estimated property damage was \$10,000.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 92 stations, was 33.7°, which is 5.3° above the 52-year normal for February. The highest monthly mean was 42.6° at Marcus Hook, and the lowest was 26.2° at Brookville. Extremes of temperature ranged from a maximum of 74° at

Phoenixville on the 20th, to a minimum of -10° at Brookville on the 25th. The greatest daily range in temperature was 46° at Bloomsburg on the 18th and at Chambersville on the 5th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 177 stations, was 4.45 inches, which is 1.57 inches above the 52-year average for February. The greatest monthly amount was 8.60 inches at Zionsville, and the least was 2.33 inches at Covington. The greatest amount for 24 consecutive hours was 1.88 inches at Ardmore on the 3d.

The average snowfall for the State was 6.2 inches, which is 4.5 inches below the 52-year average. The greatest total snowfall for the month was 26.0 inches at Coudersport. The greatest 24-hour snowfall was 8.0 inches at Franklin on the 21st, and at Corry on the 21st-22d.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	28.4	63	-31	2.50	7.2	9	7	11	1
1889.....	23.0	60	-27	1.96	8.7	9	7	9	12
1890.....	37.0	79	0	4.32	5.6	11	6	8	14
1891.....	34.8	70	-7	4.61	5.6	12	6	8	14
1892.....	31.6	62	-18	1.75	6.3	9	7	7	15
1893.....	27.3	60	-16	5.92	26.4	14	6	8	14
1894.....	27.6	64	-24	3.53	22.7	11	8	9	11
1895.....	20.2	60	-26	1.22	13.2	6	10	10	8
1896.....	29.4	65	-21	4.90	10.5	11	9	7	13
1897.....	30.6	67	-14	3.28	10.3	9	7	8	13
1898.....	29.4	72	-16	2.23	6.1	9	8	8	12
1899.....	22.7	67	-39	4.05	23.6	12	8	7	13
1900.....	27.1	81	-17	4.22	7.0	11	8	6	14
1901.....	21.7	57	-22	0.96	7.9	8	10	9	9
1902.....	23.9	64	-24	3.99	14.3	10	9	7	12
1903.....	30.5	68	-17	4.49	10.8	10	10	7	11
1904.....	21.8	68	-27	2.41	6.8	11	10	7	12
1905.....	20.8	59	-25	1.70	9.7	8	10	8	10
1906.....	28.0	79	-21	1.70	6.8	7	12	7	9
1907.....	22.8	56	-20	1.91	15.2	8	12	7	9
1908.....	24.8	64	-29	4.65	23.6	11	10	7	12
1909.....	35.8	73	-9	4.84	4.0	14	6	7	15
1910.....	26.6	65	-22	3.59	15.0	11	9	7	12
1911.....	31.0	66	-8	2.27	11.1	10	7	6	15
1912.....	23.7	69	-27	2.20	6.5	8	11	8	10
1913.....	27.4	67	-9	1.84	5.7	9	12	5	11
1914.....	21.8	65	-27	2.78	23.5	10	11	6	11
1915.....	33.3	73	-9	3.90	2.0	9	9	5	14
1916.....	25.7	67	-22	3.08	14.3	12	8	7	14
1917.....	25.6	68	-29	1.46	8.0	10	9	9	10
1918.....	28.2	69	-34	2.46	2.9	9	10	8	10
1919.....	32.0	66	-7	2.23	4.7	11	12	6	10
1920.....	25.6	62	-20	2.44	18.3	11	9	8	12
1921.....	32.8	76	-15	2.59	15.4	10	8	8	12
1922.....	33.0	74	-19	1.99	7.7	10	9	9	10
1923.....	24.6	58	-20	2.16	11.7	12	8	8	12
1924.....	26.9	70	-25	2.94	16.3	10	11	7	11
1925.....	35.6	71	-11	2.16	2.1	8	11	7	10
1926.....	28.7	65	-13	4.06	23.3	12	7	6	15
1927.....	35.0	69	-8	3.48	16.5	13	7	8	13
1928.....	30.3	65	-11	3.42	6.7	11	10	7	12
1929.....	28.0	69	-20	2.87	11.7	9	10	8	10
1930.....	35.1	80	-18	2.69	3.9	11	9	6	13
1931.....	31.9	66	-16	1.98	5.2	9	11	5	12
1932.....	35.3	83	-8	1.64	2.9	10	10	8	11
1933.....	31.3	68	-15	2.80	9.4	10	12	7	9
1934.....	18.1	59	-34	1.31	14.4	7	13	7	8
1935.....	28.9	66	-26	2.67	14.4	12	8	7	13
1936.....	21.5	69	-27	2.33	12.8	9	11	7	11
1937.....	31.4	77	-12	2.32	6.5	10	9	8	11
1938.....	34.1	74	-4	2.85	3.9	12	8	6	14
1939.....	33.7	74	-10	4.45	6.2	13	10	6	12
Period	28.4	83	-39	2.88	10.7	10	9	7	12

Climatological Data for February, 1939

stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation 01 in or more	Clear	Pt. cloudy			Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	254	27	33.4	+4.0	63	20	10	17	42	4.30	+0.94	1.43	2.5	11	14	8	6	ne.	John A. Frick.
	Altoona.....	Blair.....	1,615	52	31.9	+4.1	62	20	4	16	34	5.18	+2.85	1.10	10.5	12	15	2	11	w.	John J. Martin.
	Ardmore.....	Montgomery.....	350	19	34.4	+2.2	65	21	11	24	36	6.70	+3.20	1.88	0.7	12	.....	.....	.....	H. L. Balderston.	
	Arendtsville.....	Adams.....	700	17	36.6	+5.0	69	20	11	23	35	3.95	+1.11	0.84	0.9	11	14	3	11	nw.	Harold J. Miller.
	Bedford.....	Bedford.....	1,060	7	35.2	.....	68	19	8	5	38	4.51	.....	0.90	5.0	12	11	2	14	sw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	54	36.4	+5.1	68	20	10	17	32	5.54	+2.43	1.38	0.5	13	12	2	15	w.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	13	33.0	.....	64	20	7	17	46	2.98	.....	0.94	4.3	10	10	8	10	.....	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	73	36.0	+5.8	71	20	10	5	42	4.38	+1.13	1.10	1.0	10	15	0	13	ne.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	40	36.4	+4.7	70	20	12	23	32	3.96	+1.30	0.82	1.9	11	8	7	13	sw.	William B. Spear.
	Clearfield.....	Clearfield.....	1,120	32	30.4	+2.1	54	20	-1	51	34	4.95	+2.16	0.88	11.0	13	12	2	14	w.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	380	52	35.6	+5.1	69	20	11	17	35	6.08	+2.31	1.45	0.5	10	8	5	15	sw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	560	28	34.3	+4.6	66	20	8	23	35	4.80	+1.39	1.32	1.6	10	13	5	10	w.	Wm. A. Korer.
	Emporium.....	Cameron.....	1,050	52	31.0	+5.1	59	19	-3	5	38	3.64	+0.82	0.81	5.0	12	17	0	11	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	380	47	37.1	+6.8	69	20	13	23	37	5.49	+2.54	1.44	T.	10	10	6	12	sw.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,970	46	29.3	+4.5	58	20	2	17	31	4.31	+0.80	1.15	9.4	13	7	0	21	w.	Andrew B. Evansha.
	George School.....	Bucks.....	190	33	37.0	+5.7	71	20	11	17	36	5.85	+2.79	1.58	1.4	11	12	5	11	nw.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	66	38.2	+6.8	71	20	12	23	32	4.62	+1.86	1.27	0.5	11	11	5	12	e.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	840	35	32.0	+4.7	65	20	2	17	38	5.19	+1.92	1.20	11.0	13	15	2	11	w.	Miss Sallie M. Johnson.
	Atlantic Drainage.	Gouldsboro.....	Wayne.....	1,875	24																
Hanover.....		York.....	600	35	39.0	+5.8	70	20	13	23	30	5.22	+2.41	1.30	T.	13	12	4	12	s.	Thomas Y. Cooper.
Harrisburg.....		Dauphin.....	337	70	36.3	+6.1	69	20	13	23	36	4.00	+0.10	1.16	1.1	12	8	7	13	nw.	U. S. Weather Bureau.
Hawley.....		Wayne.....	900	21	29.0	+3.2	60	20	-5	17	37	3.32	+0.50	0.87	9.2	14	12	6	10	w.	Mrs. Della M. Pennell.
Holtwood.....		Lancaster.....	200	24	37.2	+4.6	66	20	16	23	32	3.64	+0.92	0.80	T.	11	13	3	12	nw.	H. W. Lowy, C. E.
Huntingdon.....		Huntingdon.....	650	52	34.8	+5.3	66	20	7	5	37	4.58	+1.89	1.47	5.2	13	6	10	12	w.	Prof. Paul R. Yoder.
Kyertown.....		Clearfield.....	1,694	8	29.2	+2.4	60	20	4	5	29	3.47	+1.37	0.67	5.8	15	5	5	18	w.	U. S. Weather Bureau.
Lancaster.....		Lancaster.....	255	62	36.3	+5.3	73	20	11	23	42	5.54	+2.87	1.41	T.	13	12	5	11	nw.	Supt. of Water Works.
Lawrenceville.....		Tioga.....	1,000	42	29.0	+4.2	57	20	-4	5	39	2.28	+0.55	1.15	11.0	8	10	8	10	.....	C. P. Darling.
Lebanon.....		Lebanon.....	449	55	34.6	+5.0	70	20	11	23	45	4.60	+1.47	0.82	0.5	14	15	6	7	w.	Lebanon Valley Gas.
Lewistown.....		Mifflin.....	500	1	36.1	.....	66	20	11	22	32	2.83	.....	0.83	1.0	10	5	6	17	ne.	Penna. Edison Co.
Lock Haven.....		Clinton.....	580	49	32.2	+3.8	60	20	5	23	30	4.07	+1.53	0.86	9.0	15	10	7	11	ne.	Joseph Beaver.
Marcus Hook.....		Delaware.....	50	13	42.6	+7.5	70	19†	17	16†	33	5.89	+3.28	.....	T.	11	17	3	8	sw.	Sun Oil Co.
Montrose.....		Susquehanna.....	1,620	34	26.6	+3.7	55	20	-4	17	33	3.48	+1.40	0.96	13.1	11	7	8	13	nw.	Philip F. Chamberlain.
Mt. Pocono.....		Monroe.....	1,720	33	26.6	+4.9	59	20	-1	17	40	5.68	+2.40	1.60	7.5	11	11	6	11	nw.	Cecil J. Hoskinson.
Muncy Valley.....		Sullivan.....	1,045	27	29.2	+3.2	58	20	-2	23	35	2.88	+0.48	0.81	6.0	10	11	9	8	sw.	H. O. Hacker.
Neshaminy Falls.....		Bucks.....	60	50	36.1	+6.2	72	20	9	1	40	5.75	+2.79	1.55	0.8	11	13	6	9	w.	Philadelphia Sub. Water Co.
New Bloomfield.....		Perry.....	679	1	33.1	.....	66	20	8	5	37	4.58	.....	0.93	.....	12	6	10	12	w.	J. Earl Sneader.
Palmerton.....		Carbon.....	398	21	33.0	+4.1	67	20	8	17	30	4.40	+2.01	0.96	2.5	13	9	10	9	w.	New Jersey Zinc Co.
Philadelphia.....	Philadelphia.....	26	68	39.4	+5.5	70	20	14	17	33	6.12	+2.80	1.69	0.5	13	7	9	12	sw.	U. S. Weather Bureau.	
Phila. Navy Yard.....	Philadelphia.....	20	23	38.7	+5.1	70	20	13	16	34	5.93	+2.57	1.10	0.4	12	10	9	9	sw.	Navy Aerological Office.	
Phoenixville.....	Chester.....	100	29	37.8	+5.5	74	20	10	1	41	6.03	+2.63	1.43	T.	12	10	11	7	nw.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	407	1	34.4	+5.0	67	20	9	17	36	4.79	+1.47	1.08	2.5	11	15	0	13	n.	E. E. Rarick.	
Quakertown.....	Bucks.....	496	54	34.5	+5.7	67	20	8	17	34	5.88	+2.57	1.41	3.5	11	11	6	11	nw.	John E. Benner.	
Reading.....	Berks.....	273	69	37.6	+8.8	69	20	12	17	34	4.55	+1.13	1.40	0.9	10	7	9	12	nw.	U. S. Weather Bureau.	
Seranton.....	Lackawanna.....	746	45	32.4	+4.8	63	20	4	17	36	3.72	+0.68	1.00	5.9	14	6	10	12	sw.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	455	49	33.8	+5.3	65	20	8	23	35	4.36	+1.59	0.90	1.5	14	9	13	6	w.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	43	38.1	+4.7	68	20	14	17	35	5.68	+2.50	1.30	0.2	13	5	12	11	nw.	W. S. Guiles.	
Shippensburg.....	Cumberland.....	660	6	36.3	.....	67	20	11	23	28	3.88	.....	1.07	4.0	10	8	6	14	ue.	State Teachers College	
State College.....	Center.....	1,217	55	32.3	+5.4	63	19	7	23†	26	4.40	+1.93	0.98	9.3	16	7	8	13	w.	C. A. Kern.	
Stroudsburg.....	Monroe.....	500	25	34.2	+7.2	66	21	3	1	42	3.44	+0.99	1.10	0.2	8	15	7	6	w.	State Teachers College	
Towanda.....	Bradford.....	754	45	29.8	+4.7	61	20	-3	5	38	4.49	+2.20	1.61	11.9	13	11	7	10	e.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,419	69	27.4	+2.4	54	20	-2	5	33	2.80	+0.78	0.94	11.3	13	16	4	8	n.	George W. Hill.	
West Chester.....	Chester.....	455	90	36.9	+5.6	71	20	12	17	34	6.82	+3.32	1.49	1.5	10	13	6	9	w.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	1	33.0	.....	64	20	2	17	33	3.82	.....	0.93	3.0	13	4	9	15	sw.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	521	53	32.0	+4.1	64	20	7	5	33	3.24	+0.78	0.77	6.9	14	13	5	10	w.	Mrs. Ralph F. Keller.	
Williamstown.....	Dauphin.....	1,275	24	33.6	+3.2	70	20	6	23	34	3.71	+1.04	0.89	4.0	13	10	5	13	se.	Susquehanna Collieries Co.	
York.....	York.....	400	51	37.4	+6.1	52	13	13	23	39	4.83	+2.08	1.30	T.	10	12	6	10	w.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,173	49	26.2	+1.1	52	13	-10	25	45	4.77	+2.64	0.77	10.1	17	6	5	17	.....	Frank S. Fawcett.
	Butler.....	Butler.....	1,077	26	33.6	+5.3	66	19†	-3	25	43	4.73	+2.33	0.74	10.0	11	7	10	11	nw.	William C. Faust.
	Chambersville.....	Indiana.....	1,047	38	33.0	+3.4	66	20	-2	5	46	5.37	+2.51	0.79	11.4	15	10	3	15	sw.	John E. Lewis.
	Clairton.....	Allegheny.....	1,020	7	34.4	.....	68	19	5	23	37	5.53	.....	0.92	7.0	13	6	1	21	w.	Carnegie-Illinois Steel Corp
	Claysville.....	Washington.....	1,150	34	35.2	+3.5	71	28	1	5	41	5.36	+2.89	1.30	10.5	18	13	3	12	w.	J. L. Melvin.
	Corry.....	Erie.....	1,430	26	27.6	+1.8	60	20	-4	23	40	4.35	+0.54	0.63	11.5	8	18	3	7	w.	Ass'd Gas & Electric Co.
	Coudersport.....	Potter.....	1,665	12	28.6	+4.0	59	20	-5	5	40	4.38	+1.99	0.82	26.0	13	13	3	12</		

Daily Precipitation for February, 1939

Stations	Drainage Basin	Day of month																															Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh	.01																																4.20
Altoona	Juniata		.35	1.10							.63	.10																						5.18
Ansonia ²	W. Br. Susq.			.01	.24						.18																							3.11
Ardmore ²	Lower Del.		.10	1.88							.50	.51																						6.70
Arendtsville ²	Lower Susq.			.70	.84						.08																							3.95
Baker's Summit	Juniata		.17	1.12							.20																							4.31
Bald Eagle	Middle Susq.		.32	.88	.02		.12	.07		.30	.33																							4.93
Bedford	Juniata		.10	.80	.50		.43				.34	.20																						4.51
Bellefonte	W. Br. Susq.		.18	.09	T.		.01	.10			.34	T.																						3.07
Berwindale	W. Br. Susq.		.51	.78			.22	.11		.22	.59																							5.19
Bethlehem	Lehigh		.07	1.38	.07			.31			.32	.46																						5.54
Big Knob ²	Middle Susq.		.07	.61	.56		.10				.21	.20																						3.25
Bloomsburg	Susquehanna			.94		.06		.22			T.	.07	.28																					2.98
Blossville	Lower Susq.			.85	T.		.05				.60																							3.65
Buffalo Mills ²	Potomac			.65	.74		.16				.28	.18																						3.68
Carlisle	Lower Susq.		.15	.95	T.	.02	T.	.14			.22	.30																						4.38
Carter Camp	W. Br. Susq.		.04	.23	.02		.09	.11		.05	.29					1.04		.09	.01	.37	.19	.23	.07											3.95
Center Hall	Susquehanna		.38	.64							.15	.16				1.86		.08																4.85
Chambersburg ²	Potomac			.71	.73		.06				.10	.29					.63																	3.96
Clearfield ²	W. Br. Susq.	.02	.21	.36	.32		.32				.73					.77		.20				.12	.15											4.95
Coatesville	Lower Del.		.15	1.45			.27				.35	.38																						6.08
Colebrook	Lower Susq.		.10	1.32	.01		T.	.19			.19	.39				.92																		4.80
Conshohocken	Schuylkill		.25	1.71	.02		.16				.47	.59				.26	.07																	5.88
Covington ²	N. Br. Susq.				.32						.46	.15				.46	.15																	2.33
Doylestown	Lower Del.		.20	1.45	.05		.20				.25	.36				.70	.04																	5.26
Driftwood	W. Br. Susq.		.18	.33			.11	.14		.07	.40					.91		.06																
Du Bois	W. Br. Susq.		.41	.40	.12		.31				.54	.03				.96		.10				.15	.14	.02	.24	T.	.12							4.61
Emporium	W. Br. Susq.		.14	.20	.03		.29				.41					.81		.10				.32		.32										3.64
English Center	W. Br. Susq.		.09	.39			.02	.10		.05	.28					.98		.06	.14															3.81
Ephrata	Lower Susq.		.06	1.44	.05		.24				.26	.45				1.00	T.																	5.49
Forest City ²	N. Br. Susq.																																	
Fredericksburg ²	Schuylkill		T.	.44	1.07		.22				.35	.52					.91																	5.88
Freeland ²	Lehigh	.12	T.	.46	.63		.22				.04	.50				.05	1.15																	4.31
Galeton	N. Br. Susq.		.02	.20	T.		T.	.14			.16					1.11		.06				.29	.28	.10										3.40
George School	Lower Del.		.28	1.58	.03		.18				.36	.46				.80	T.																	5.85
Gettysburg	Potomac		.09	1.24	.03		.06				.22	.23				.66																		4.62
Girardville ²	Lower Susq.			.45	.67		.27		.03		.03	.42				*	1.00																	4.22
Gordon	Lower Susq.	.12	.08	1.08	.15		.20				.12	.42				.84	.16																	5.19
Gouldsboro ²	Lehigh		.11	.69	.24		.17				.41	.46				.87	.09																	4.68
Graterford	Schuylkill		.07	1.23	.08		.10				.24	.37				1.03	.05																	5.22
Hanover	Lower Susq.		.12	1.16			.09	.03		T.	.24	.17				.50	T.																	4.00
Harrisburg ²	Lower Susq.		.12	1.16			.09	.03		T.	.24	.17				.50	T.																	3.32
Hawley ²	Upper Del.	.04	.01	.35	.47		.32	.01			.04	.26				.04	.83																	3.92
Holtsville ²	Upper Del.	.09	T.	.33	.73		.04	.29	.02	T.	.01	.30				.02	1.27																	3.64
Holtwood ²	Lower Susq.		T.	.28	.80		T.	.20			.42	.47				T.	.72																	4.58
Huntingdon	Juniata		.14	.92	.02		.12				.25	.23				.41		.03																4.36
Huntsdale	Lower Susq.		.18	1.12		.02	.04		.13		.25	.23				.36																		3.65
Hyndman	Potomac			.70	.74		.05				.68					.25	.05																	3.47
Kylertown ²	W. Br. Susq.		.13	.63	.09		.07	.09			.39	T.				.59	T.	.04																3.29
Lakeville ²	Upper Del.	.03	T.	.42	.47	T.	.25				.03	.28				.05	.88																	5.54
Lancaster	Lower Susq.		.05	1.41	.10		.25				.26	.48				.90	.12																	4.37
Lansford ²	Lehigh		T.	.45	.41		.48	T.			T.	.65				.70																		2.38
Lawrenceville	N. Br. Susq.			.10	.05		.05				T.	.42				1.15	T.																	4.60
Lebanon ²	Lower Susq.	.01		.49	.80		.20				T.	.42				T.	.70																	3.33
Lehighton ²	Lehigh	.02		.35	.52		.02				T.	.58				T.	.70																	2.83
Lewistown	Middle Susq.		.16	.83			.12				.38	.10				.30																		

Daily Precipitation for February, 1939—Continued from page 9

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage (continued)																																	
Sellersville ¹	Lower Del.		.12	1.46			.08	.14			.55	.24			.86								.11				.90		1.21			5.67	
Shade Gap ¹	Middle Susq.		.31	.93			.08	.02		*	.50				.50				.01	.02		.14					.67		.90			4.08	
Shawmont	Schuylkill		.25	1.80	.05		.16				.36	.55			.64	.09				.01	.03		.03				1.30		.91			5.68	
Shippensburg	Lower Susq.		.25	1.07	T.		.18				.05	.48			.69	T.					.03	.12		T.			.08		.93			3.88	
State College	W. Br. Susq.		.21	.98	.10		.04	.14			.49	.03			.55		.06			.09	.07	.07	.19	T.	.06		.70	T.	.62			4.40	
Stroudsburg ²	Upper Del.										*	.50			*	.84						.15	T.				*	1.10		.85		3.44	
Sunbury ²	Lower Susq.	T.	T.	.42	.66		.18				.04	.32			T.	.88				.16	T.	.36		T.	.02	.36	.42	.10				3.92	
Susquehanna ²	N. Br. Susq.	.12		.07	.20	.01		.31	.01		.07	.04			.19	.79				.33	.38			.01	T.	.38						2.91	
Towanda	N. Br. Susq.		.02	.27	.10		.04	.22			.11				1.61	T.	T.		.17	.03	.05	.35		T.		.96		.26				4.11	
Weikert	Lower Susq.	.15	.70				.16								.72					.10		.20					.84		.98			3.85	
Wellsboro	N. Br. Susq.			.17	.07		.11				.19				.94		.01			.16	.07	.09	.32		.06		.38		.23			2.80	
Wernersville ² [nr]	Schuylkill			.44	1.00		.27								.44							.11					.26	.79				3.31	
West Chester	Lower Del.		.70	1.49			.28				.27	.49			.99				T.	.04		.15					1.21		.120			6.82	
Westgrove ²	Lower Del.			.55	1.15		.35				.07	.02			.83						.06	.09					.67	.60	.12			4.51	
Wilkes-Barre ² *	N. Br. Susq.	T.	T.	.79	.05		.24				.11	.17			.92	.01	T.		.09	.10	T.	.18		.03		.49		.64				3.82	
Wilkes-Barre ² †	N. Br. Susq.	.12		.42	.54		.20	T.			.03	.09			.13	1.10				.13	.02	.26		.05	T.	.17	.26	.03				3.55	
Williamsport	W. Br. Susq.	T.	T.	.23	.39		.13				.26	.12			.12	.65		.01		.15	.30		.02		.02		.56	.23	.11			3.28	
Williamstown	Lower Susq.		.03	.89	.05		.11				.05	.30			.70	.08	T.			.02	.15		.02				.78		.53			3.71	
York	Lower Susq.		.07	1.30	.04		.14				.20	.34			.83					T.	T.	.15					.56		1.20			4.83	
York Haven ²	Lower Susq.			.55	.83		.08				.12	.44			T.	.83					.04						.58	.24	.20			3.91	
Zionsville ¹ (near)	Schuylkill		.45	1.54	.03		.22				.21	1.15			1.52	.12			T.	.02							1.52	.07	1.75			8.60	
Trenton, N. J. ¹	Lower Del.		.34	1.57	T.		.02	.17			.56	.31			.46	T.				T.	.07	.02	.07				.96		1.01			5.56	
Ohio Drainage																																	
Acmetonia ²	Allegheny	.04	.10	.81	.61	T.		.39			.43	.39			.80	.08		.06	.06	.73	.01	.35	T.	.05	T.	.46	.13	.35				5.35	
Beaver Falls ²	Beaver	.01	.07	.32	.20	T.		.27			.12	.20	T.		.68	.06		.08	.04	.36		.36	T.	.05	T.	.40	.03	.24				3.49	
Blairsville ²	Allegheny		.10	.85	.61	.17		.44			.15	.49			.52	.13		.07	.01	.03		.33	.21	.18	T.	.32	.04	.21				4.86	
Bradford	Allegheny		.08		.10			.34			.26				.73		.16		.62	.23	.08	.28		.14	T.	.31		.13				3.46	
Brookville ²	Allegheny	.02	.20	.44	.26	T.		.39	T.		.30		.36	T.	.74	.03		.12		.41		.46	.02	.21	T.	.40	.12	.29				4.77	
Buckstown ¹	Allegheny		.27	1.17	.01		.10	.13		.12	.39	.01			.49	.02	.12		.03	.07	.09		.02	.05				.83					
Butler ²	Ohio		T.	.32				.74			.48				.65	.61			.40	.37		.38		.15		.41		.22				4.73	
Chambersville	Allegheny		.72	.79	.11		T.	.45			.73	.02			.76		.14		.15	.08	.01	.47	T.	.02		.48		.44				5.37	
Clairton ³	Monongahela		.89	.92	.44		.35			.36	.26			.20	.70				.08		.19		.02		.66		.46		.22			5.53	
Clarion ²	Allegheny	.04	.12	.41	.24			.43			.27	.46	.02		.81	.07		.10		.63		.39	.16	.37	.03	.39	.25	.22				5.41	
Claysville	Ohio		.32	1.30	.19		.09	.16		.03	.71	.01			1.02	.05		.12	.08	.05	.21	.03	.02		.52		.45					5.36	
Conduence ²	Youghiogheny	.08	T.	.80	.92			.50			.45	.57			.20	.24		.15	.03	.06		.18	.03	T.	T.	.32	.08	.53				5.09	
Connellsville ²	Monongahela		.13	1.03	.70	T.		.47			.30	.26			.39	.11		.01		.06		.42	T.	T.	T.	.60	.01	.20				4.59	
Coraopolis ²	Ohio		.13	.48	.35		.22				.30	.21			.74		T.	.05	.41	.15	.03	.20	T.	.01		.51	.04	.37				4.20	
Corry	Allegheny			.15				.50			.36				.40			.28	.60		.63				T.	.56		.23				3.35	
Coudersport	Allegheny		.12	.14	.16		.26				.36				.68		.10		.78	.14	T.	.28	T.	.20			.82		.34			4.38	
Dahoga	Allegheny							.13	.14		.04	.66	.15		.53		.14		.11	.12	.11	.46	.03			.81		.21				5.57	
Derry	Conemaugh		.36	1.40	.17		.25	.03		.37	.27	T.			.90	.02	.03		.06	.13	.28	T.			.56	T.	.54					5.16	
Donora ²	Monongahela		.48	1.22	T.		.21	.14		.10	.43	.02			.47		.17		.07	.11	.20		.08		.43	.08	.71					4.98	
Dunlop	Allegheny		.54	1.22			.15	.20			.73	.08			.52		.20		.03	.02	.02	.30		.22		.42		.87				5.23	
Ebensburg	Conemaugh		.30	1.17	T.		.15	.20			.04	.28			.59	.07		.10		.52		.56		.10	T.	.25	.18	.11				3.58	
Franklin ²	Allegheny	T.	.04		.07		.31				.04	.28						.10		.52													
Greensboro ²	Monongahela	.02	.01	.94	1.06	.01		.44			.36	.53			.50	.17		.03	.02	.11		.25	.05	T.	T.	.47	.06	.43				5.46	
Greensburg	Youghiogheny		.48	1.24	.12		.12	.30		.03	.64	.04			.77	.02	.06		.13	.07	.08	.18	T.	.11	.58		.42					5.39	
Greenville	Beaver		.15	.12	.04		.02	.10			.43				.78	.12	.23		.50	.20	.25	.20	T.	.18	T.	.55		.20				4.07	
Grove City	Beaver		.25	.07	.12		.20	.06			.40				.93	.02	.07		.50	.48	.02	.50	.03	.14	.37		.26					4.42	
Irwin	Monongahela		.41	1.04	.03		.09	.26			.02	.73	.02		.86		.05		.17	.06	.02	.33		.01	.58		.54					5.26	
Johnstown	Conemaugh	.10	.41	1.26	.14		.06	.41		.18	.84				.12		.25		.05	.07	.06	.16		.07	.57	.02	.81					5.87	
Kegonsa ²	Youghiogheny		1.00	.92	T.		.48			.34	.40			.45		.16	.02	.06		.27	T.	.02	.05	1.53	.03	.44	.12					6.51	
Lake Lynn ²	Monongahela	.01		.96	1.06			.33			.16	.59			.19	.40		.03		.10		.30	.01		.01	.37		.30				4.82	
Lanesville ²	Beaver	T.	.14	T.	T.		.22			T.	.32				.40	.03</																	

Daily Temperatures for February, 1939

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona.....	Maximum.....	35	36	40	33	33	36	38	49	46	37	40	40	53	61	48	26	44	49	59	62	45	36	19	35	29	45	45	37	.....	.....	41.3
	Minimum.....	18	29	33	16	5	22	30	22	27	31	18	15	84	32	26	4	10	82	34	45	31	10	7	14	5	25	30	30	.....	.....	22.5
Bedford.....	Maximum.....	40	39	39	34	38	39	40	53	51	42	43	42	54	56	52	32	48	55	68	65	54	45	25	38	35	41	47	44	.....	.....	45.0
	Minimum.....	12	32	34	20	8	30	32	23	30	33	21	21	35	27	30	9	14	38	30	54	36	15	10	13	13	27	34	32	.....	.....	25.5
Bethlehem.....	Maximum.....	40	38	36	36	35	42	45	46	47	42	37	35	56	56	62	40	33	57	58	68	66	40	24	41	40	45	53	53	.....	.....	45.4
	Minimum.....	17	30	33	27	17	28	32	30	34	31	33	19	24	30	40	14	10	28	36	45	37	18	13	18	22	32	36	33	.....	.....	27.4
Bloomsburg.....	Maximum.....	37	41	37	34	37	38	42	45	43	42	38	42	57	53	62	32	34	53	53	64	55	41	25	39	37	49	49	45	.....	.....	43.7
	Minimum.....	14	28	33	20	8	24	31	25	26	32	27	15	19	24	30	12	7	7	26	37	33	14	9	13	14	32	34	28	.....	.....	22.2
Brookville.....	Maximum.....	35	43	31	32	40	38	33	52	37	42	33	34	52	36	36	33	38	50	51	31	27	27	27	34	42	39	45	.....	.....	37.6	
	Minimum.....	15	15	30	18	-5	-4	23	21	21	18	9	10	19	25	5	5	24	24	31	27	8	-4	5	-10	9	27	25	.....	.....	14.7	
Butler.....	Maximum.....	36	45	46	32	43	42	40	57	52	52	50	50	53	58	55	29	40	50	66	66	50	29	18	29	29	41	39	61	.....	.....	44.9
	Minimum.....	16	32	29	14	0	24	33	26	25	36	17	15	32	32	29	4	15	29	31	45	29	11	4	15	-3	22	29	32	.....	.....	22.2
Carlisle.....	Maximum.....	39	36	38	38	38	37	46	52	44	43	41	42	59	57	62	34	40	64	55	71	61	45	28	41	41	40	53	49	.....	.....	46.5
	Minimum.....	14	30	33	21	10	23	32	26	28	31	30	18	27	27	38	15	17	22	43	38	18	13	19	18	30	35	31	.....	.....	25.5	
Chambersburg.....	Maximum.....	42	35	37	36	37	37	45	52	45	41	41	46	59	51	61	35	49	63	60	70	56	45	27	45	37	37	51	39	.....	.....	45.7
	Minimum.....	18	29	32	23	16	26	32	27	33	31	35	24	30	28	35	15	17	37	33	44	38	19	12	20	20	27	27	33	.....	.....	27.2
Chambersville.....	Maximum.....	43	46	46	39	44	42	41	55	52	48	48	40	54	59	57	29	46	50	65	66	46	37	19	34	36	45	44	50	.....	.....	45.8
	Minimum.....	14	34	29	15	-2	28	31	22	24	24	15	12	27	30	28	2	8	28	30	44	27	8	2	11	0	24	28	20	.....	.....	20.1
Claysville.....	Maximum.....	40	49	48	28	42	44	41	57	55	60	44	42	54	59	56	31	46	54	68	68	47	30	21	34	36	46	45	71	.....	.....	47.0
	Minimum.....	13	38	25	15	1	30	33	26	28	38	16	16	29	33	27	3	16	31	35	46	17	11	2	17	10	31	31	35	.....	.....	23.3
Clearfield.....	Maximum.....	38	37	40	34	33	35	40	40	52	38	38	37	52	48	48	31	40	50	44	54	45	37	21	36	31	38	48	40	.....	.....	40.2
	Minimum.....	20	29	31	19	-1	21	31	22	24	32	19	10	23	24	30	7	11	26	25	35	30	9	8	11	-1	27	29	28	.....	.....	20.7
Coatesville.....	Maximum.....	36	34	38	35	34	43	41	45	45	41	43	41	55	50	65	34	38	59	62	69	54	39	26	43	38	53	50	51	.....	.....	45.1
	Minimum.....	16	28	32	24	15	24	31	26	34	31	30	18	27	27	30	17	11	26	31	53	37	19	11	11	24	31	36	31	.....	.....	26.1
Corry.....	Maximum.....	36	42	40	26	40	41	38	50	44	44	44	43	40	51	53	39	25	35	45	54	60	26	20	27	32	40	45	46	.....	.....	39.4
	Minimum.....	5	28	20	14	0	23	25	19	19	31	11	5	27	32	20	-1	0	24	27	21	13	2	-4	10	5	21	20	24	.....	.....	15.8
Coudersport.....	Maximum.....	36	42	42	26	35	40	35	47	45	38	40	37	48	53	50	28	36	46	48	59	39	28	20	30	33	42	47	39	.....	.....	39.6
	Minimum.....	10	28	26	17	-5	13	30	17	20	17	10	21	22	25	2	3	26	27	38	24	6	0	11	0	25	27	29	.....	.....	17.6	
Dahoga.....	Maximum.....	32	42	46	31	35	39	40	49	52	40	49	38	49	51	55	26	32	45	54	60	46	31	15	25	27	42	44	40	.....	.....	40.5
	Minimum.....	11	26	24	14	-1	26	22	13	19	31	10	3	22	32	21	-1	6	24	30	34	21	1	-5	7	3	23	22	30	.....	.....	16.7
Donora*.....	Maximum.....	45	50	48	29	45	44	42	60	61	63	40	43	56	63	51	26	49	56	71	66	38	22	27	36	41	51	46	48	.....	.....	47.4
	Minimum.....	22	38	29	16	9	35	33	30	32	40	21	23	34	40	26	13	19	35	39	35	19	15	8	23	19	36	35	42	.....	.....	27.4
Ebensburg.....	Maximum.....	36	41	41	34	32	40	42	50	48	36	26	34	47	50	48	25	35	45	60	58	45	41	16	25	30	45	46	45	.....	.....	40.0
	Minimum.....	10	26	30	13	5	12	28	22	24	30	13	13	27	32	23	-1	11	27	25	45	28	8	-3	10	5	24	25	29	.....	.....	19.3
Emporium.....	Maximum.....	36	42	45	35	35	34	40	49	49	43	45	40	50	54	56	34	37	47	59	56	48	37	23	35	32	46	42	41	.....	.....	42.5
	Minimum.....	17	31	30	21	-3	17	32	26	22	33	18	5	17	21	28	8	8	22	25	35	29	9	1	12	0	27	30	24	.....	.....	19.5
Ephrata.....	Maximum.....	39	40	39	38	37	40	44	49	46	41	41	45	58	51	64	35	40	62	65	69	57	45	28	46	38	51	53	44	.....	.....	46.6
	Minimum.....	19	31	34	28	17	27	33	28	31	32	32	21	25	28	18	14	25	29	54	39	19	13	20	22	33	36	32	.....	.....	27.6	
Erie*.....	Maximum.....	38	44	31	24	40	42	35	51	40	49	22	43	63	52	32	19	35	41	64	58	21	18	22	28	29	42	37	51	.....	.....	37.9
	Minimum.....	19	31	23	17	16	34	29	25	22	17	18	36	32	13	8	19	32	40	21	12	10	10	10	21	16	27	36	31	.....	.....	22.6
Franklin.....	Maximum.....	37	45	31	29	35	40	36	54	40	49	28	42	52	55	35	32	36	46	62	52	32	23	29	28	33	42	41	47	.....	.....	39.8
	Minimum.....	14	17	29	18	6	6	26	24	26	27	18	14	14	30	32	2	2	26	32	32	23	10	6	6	-1	0	26	26	.....	.....	17.5
Freeland.....	Maximum.....	32	33	40	29	29	43	35	38	40	35	38	34	49	45	56	25	28	47	51	58	49	36	18	33	29	42	45	40	.....	.....	38.5
	Minimum.....	9	23	28	18	10	21	28	24	28	18	23	10	29	33	25	5	2	26	37	42	27	7	3	2	11	24	27	24	.....	.....	20.1
George School.....	Maximum.....	32	36	37	37	35	41	44	49	48	43	42	41	56	52	67	36	39	61	65	71	56	43	27	45	40	56	54	46	.....	.....	46.4
	Minimum.....	14	29	34	29	16	26	32	28	32	32	31	18	31	29	34	16	11	28	29	55	39	20	14	18	24	32	35	34	.....	.....	27.5
Gettysburg.....	Maximum.....	40	37	39	37	35	37	44	51	51	44	41	45	59	54	61	39	40	64	64	71	55	47	33	45	43	47	52	49	.....	.....	47.6
	Minimum.....	19	31	34	27	15	32	32	26	34	32	33	22	31	29	38	17	17	32	39	55	37	20	12	21	22	30	37	33	.....	.....	28.9
Gordon.....	Maximum.....	37	35	37	40	32	40	38	43	40	35	38	39	54	52	59	38	32	54	56	65	55	40	23	38	34	43	47	42	.....	.....	42.4
	Minimum.....	17	28	33	24	7	23	31	24	26	29	26	19	16	26	31	12	2	16	25	45	32	14	2	10	12	29	31	27	.....	.....	21.7
Greensburg.....	Maximum.....	44	47	47	29	41	44	39	57	54	58	50	40	54	58	54	29	42	51	67	64	37	29	19	30	40	50	48	61	.....	.....	45.8
	Minimum.....	16	37	27	19	7	3																									

Daily Temperatures for February, 1939—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Port Clinton.....	Maximum.....	36	34	39	44	35	39	39	43	44	43	40	39	53	52	63	42	34	57	56	67	61	45	24	39	39	46	48	48	.....	.....	.....	44.6	
	Minimum.....	19	29	32	26	12	23	23	27	29	30	30	15	22	26	37	15	9	21	27	42	34	17	10	14	16	32	33	30	.....	.....	.....	24.3	
Quakertown.....	Maximum.....	34	36	37	36	32	41	41	44	44	39	40	38	52	49	63	38	35	56	59	67	61	42	24	42	40	46	50	48	.....	.....	.....	44.1	
	Minimum.....	15	27	32	26	13	22	31	25	28	30	32	18	28	24	35	15	8	22	27	45	34	18	12	16	19	30	36	30	.....	.....	.....	24.9	
Reading*.....	Maximum.....	38	37	43	34	39	43	42	49	49	41	41	45	57	52	66	33	41	60	66	69	49	40	29	45	36	49	50	54	.....	.....	.....	46.3	
	Minimum.....	20	32	33	24	19	28	32	32	37	32	26	21	36	33	32	14	12	32	41	49	39	18	15	23	24	34	37	33	.....	.....	.....	28.9	
Retreat.....	Maximum.....	33	39	37	32	33	40	40	42	42	42	36	39	52	53	62	30	33	51	46	54	54	38	23	39	34	47	54	47	.....	.....	.....	41.9	
	Minimum.....	10	26	30	23	6	22	31	24	25	28	39	8	23	22	28	10	2	21	25	27	30	12	7	14	9	23	32	27	.....	.....	.....	20.7	
Ridgway†.....	Maximum.....	21	36	44	33	26	38	40	36	51	38	43	28	40	51	37	40	33	39	51	62	51	34	28	29	32	33	43	43	.....	.....	.....	38.6	
	Minimum.....	17	15	32	18	-4	-4	22	17	20	20	17	7	14	14	27	4	5	22	22	31	26	6	0	8	-6	26	26	26	.....	.....	.....	14.1	
Scranton*.....	Maximum.....	31	40	40	28	34	42	38	45	39	40	39	38	52	55	62	27	33	52	56	63	41	36	22	38	34	46	45	50	.....	.....	.....	41.6	
	Minimum.....	16	27	28	17	9	26	33	26	32	26	18	15	31	29	26	5	4	30	31	39	30	12	9	19	17	32	34	32	.....	.....	.....	23.3	
Selinsgrove.....	Maximum.....	34	36	36	34	33	36	43	46	46	39	39	42	55	54	63	36	33	56	55	65	54	41	24	41	45	46	49	46	.....	.....	.....	43.8	
	Minimum.....	15	29	32	24	11	25	30	24	29	30	26	15	26	23	34	13	11	21	26	38	34	13	8	17	16	29	34	30	.....	.....	.....	23.7	
Somerset.....	Maximum.....	41	43	43	32	40	42	39	52	48	45	45	36	48	55	49	25	44	49	65	61	47	42	18	30	34	45	43	45	.....	.....	.....	43.1	
	Minimum.....	7	31	32	15	3	25	28	21	27	32	17	17	28	25	25	3	12	34	30	45	32	9	5	5	0	26	28	35	.....	.....	.....	21.3	
Springs.....	Maximum.....	38	43	43	28	40	41	37	49	45	46	41	36	48	56	54	24	45	50	65	62	45	41	18	33	32	48	45	45	.....	.....	.....	42.8	
	Minimum.....	13	30	28	13	9	30	19	24	32	31	17	17	22	26	24	4	9	35	37	43	36	9	3	12	9	26	30	35	.....	.....	.....	22.2	
State College.....	Maximum.....	37	38	39	32	35	34	39	46	50	37	41	38	51	54	47	28	39	51	63	59	43	33	21	35	33	43	46	43	.....	.....	.....	41.2	
	Minimum.....	14	30	32	19	9	25	30	23	28	32	22	14	29	30	28	8	14	29	37	40	33	9	7	16	7	28	31	31	.....	.....	.....	23.4	
Stroudsburg†.....	Maximum.....	39	36	41	44	46	37	45	43	47	38	42	40	54	56	62	27	47	53	60	64	66	41	33	40	41	42	49	48	.....	.....	.....	45.8	
	Minimum.....	3	18	22	28	10	18	24	29	28	32	35	16	30	23	27	12	5	24	29	36	41	15	11	18	14	27	30	28	.....	.....	.....	22.6	
Towanda.....	Maximum.....	37	40	39	30	35	34	40	43	42	42	40	39	54	51	39	27	35	51	52	61	43	28	25	37	32	46	46	50	.....	.....	.....	40.6	
	Minimum.....	5	24	27	13	-3	15	32	20	27	27	16	2	31	21	26	5	3	28	24	42	24	8	7	13	9	29	28	26	.....	.....	.....	18.9	
Uniontown.....	Maximum.....	51	51	50	32	48	45	44	61	52	66	48	45	56	61	53	30	48	57	71	70	50	34	22	40	42	57	51	69	.....	.....	.....	50.1	
	Minimum.....	16	39	32	19	9	32	35	30	32	40	21	20	33	33	30	10	15	34	41	50	33	14	4	19	18	34	36	42	.....	.....	.....	27.6	
Vandergrift*.....	Maximum.....	46	49	45	26	45	42	43	59	49	55	40	45	51	63	50	26	34	57	68	69	43	26	26	39	37	49	47	63	.....	.....	.....	46.1	
	Minimum.....	16	36	26	12	3	29	23	28	29	36	20	18	29	33	20	8	17	32	34	32	18	10	8	18	9	33	32	36	.....	.....	.....	23.0	
Warren.....	Maximum.....	35	44	37	27	40	40	36	52	38	43	22	40	51	55	39	24	34	44	58	60	45	24	21	28	31	42	44	45	.....	.....	.....	39.6	
	Minimum.....	14	30	26	9	1	23	28	24	25	31	16	11	26	31	24	4	6	27	26	30	17	7	2	15	6	26	26	33	.....	.....	.....	19.4	
Waynesburg.....	Maximum.....	42	50	48	29	46	42	43	60	57	66	46	43	54	60	56	30	48	56	69	67	46	29	24	35	37	48	47	70	.....	.....	.....	48.1	
	Minimum.....	16	36	29	18	2	31	34	26	30	40	19	19	34	31	29	7	17	34	39	46	29	14	6	28	16	33	34	36	.....	.....	.....	26.2	
Wellshoro.....	Maximum.....	30	38	38	26	30	35	37	42	40	38	37	36	47	51	39	25	35	45	44	54	38	24	23	33	33	44	43	41	.....	.....	.....	37.4	
	Minimum.....	2	23	26	18	-2	16	29	18	23	26	18	3	22	21	26	5	3	25	25	38	22	7	0	14	1	23	30	23	.....	.....	.....	17.3	
West Chester.....	Maximum.....	38	36	38	36	36	42	43	48	47	41	41	43	54	49	65	33	41	62	67	71	58	43	27	43	38	55	53	44	.....	.....	.....	46.1	
	Minimum.....	15	30	34	18	16	27	32	28	34	33	32	18	27	32	33	18	12	28	33	56	38	19	12	18	25	34	37	36	.....	.....	.....	27.7	
Wilkes-Barre.....	Maximum.....	35	39	37	35	34	38	41	43	36	41	36	39	60	53	61	37	33	52	48	64	40	31	27	39	34	49	48	48	.....	.....	.....	42.0	
	Minimum.....	15	27	35	26	10	26	38	27	29	28	33	13	27	27	37	12	2	26	27	39	31	14	10	17	12	31	32	30	.....	.....	.....	24.1	
Williamsport.....	Maximum.....	33	38	36	31	33	35	40	45	43	40	38	40	52	49	47	33	35	52	50	64	51	37	22	38	32	45	46	43	.....	.....	.....	41.0	
	Minimum.....	16	29	31	24	7	25	32	26	25	31	25	11	19	26	32	13	11	22	27	37	32	13	9	20	13	29	34	29	.....	.....	.....	23.1	
Williamstown.....	Maximum.....	41	41	40	35	34	40	39	44	44	40	39	44	53	53	52	56	34	31	51	59	64	62	44	21	38	38	49	46	48				43.8
	Minimum.....	16	26	29	20	12	24	28	25	31	26	22	14	32	31	32	8	7	28	32	52	33	10	6	14	14	26	31	30	.....	.....	.....	23.5	
York.....	Maximum.....	38	38	39	38	36	38	43	50	46	43	41	43	56	54	59	38	41	62	68	70	65	48	27	44	42	51	50	47	.....	.....	.....	47.0	
	Minimum.....	15	32	35	28	16	28	32	26	29	33	33	18	29	28	37	19	16	28	29	57	38	19	13	20	22	32	33	36	.....	.....	.....	27.9	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. † Corrected to true velocities.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	Percentage of sunshine
Erie.....	30.06	30.68	16	29.44	20	11.1	38	sw.	10	78	70	71	42
Harrisburg.....	30.14	30.69	16	29.30	15	9.5	42	sw.	20	78	58	66	51
Philadelphia.....	30.13	30.72	16	29.34	15	13.7	50	sw.	16	75	65	65	62
Pittsburgh.....	30.08	30.65	16	29.45	15	13.6	47	nw.	20	82	64	69	46
Reading.....	30.13	30.71	16	29.24	15	13.1	53	se.	28	68	57	58	46
Scranton.....	30.10	30.70	16	29.27	15	7.2	32	se.	15	73	61	59	60

* For any five-minute period.

† Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.....	Delaware.....	4.1	8.5	21	2.6	13	18
Easton.....	Delaware.....	6.2	18.6	22	3.3	1	22
Lehighton.....	Lehigh.....	4.9	7.1	16	3.8	2	9
Wilkes-Barre.....	Susquehanna.....	8.9	24.0	22	4.1	5	20
Williamsport.....	Susquehanna.....	6.5	12.3	21	3.2	11	20
Harrisburg.....	Susquehanna.....	6.4	11.7	22	4.7	10	18
Greensboro.....	Monongahela.....	18.1	37.4	4	12.2	26	30
West Newton.....	Youghiogheny.....	5.2	16.5	4	2.0	26	20
Lock No. 4.....	Monongahela.....	18.8	34.6	4	13.3	26	30
Pittsburgh.....	Ohio.....		25.4	4	16.0*	9	25
Midland.....	Ohio.....		32.6	4	13.8*	26	30

NP

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

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GENERAL SUMMARY.

March came near to being a normal month, having small positive departures in both temperature and precipitation. Short warm and cold periods alternated through the month with no unusually wide departures from the normal. The coldest period centered on the 19th when the lowest temperatures for the month were recorded at nearly all stations. This was followed a week later by the warmest period, and highest temperatures for the month were generally recorded on the 25th or 26th. With the exception of four or five dates, the temperatures were favorable for outdoor work, which generally made seasonable progress. The chief exception was building operations in Philadelphia, which were delayed by frequent and heavy rains rather than unfavorable temperatures. Precipitation departures were generally moderate excepting a few southeastern counties, where the excess was large. At the end of the month, the accumulated departures since January 1st were as follows: Philadelphia, +4.89 inches; Reading, +0.07 inch; Scranton, -0.32 inch; Harrisburg, +0.52 inch; Pittsburgh, +1.37 inches; and Erie, +2.62 inches. It will be seen that the soil was generally well supplied with moisture, and was excessively wet in a few southeastern counties. The snowfall averaged one-half of the March normal, and, with the exception of four or five northeastern counties the ground was snow-covered no more than 4 to 6 days in any region. The snowfall was heaviest in Wayne County, and was lightest in the western border counties from Mercer southward. Despite the lack of snow-cover, the frost did not penetrate the soil deeply at any time, and the winter grains came through in good condition. Plowing was done intermittently all through the month. At the end of the month pastures and lawns were greening in the southern counties, and most kinds of vegetation seemed to be in seasonable condition. Gardens were being prepared for planting, and farmers were generally prepared for spring seeding.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 93 stations, was 38.6°, which is 0.9° above the 52-year normal for March. The highest monthly mean was 45.4° at Marcus Hook, and the lowest was 30.6° at Brookville. Extremes for the month ranged from a maximum of 85° at Chambersburg and Phoenixville on the 25th, to a minimum of

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-10° at Corry on the 19th. The greatest daily range in temperature was 54° at Brookville on the 25th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 172 stations, was 3.59 inches, which is 0.09 inch above the 52-year normal for March. The greatest monthly amount was 5.75 inches at Clarion, and the least, 1.98 inches at Wernersville (near). The greatest amount for any 24 consecutive hours was 2.00 inches at Sunbury on the 12-13th.

The average snowfall for the State was 3.8 inches, which is 3.7 inches below the 52-year average. The greatest total snowfall for the month was 17.6 inches at Lakeville. The greatest 24-hour snowfall was 8.0 inches at Paupack on the 11-12th.

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	31.2	72	-6	3.55	9.9	11	6	10	13
1889.....	39.0	76	4	2.90	3.1	9	10	8	15
1890.....	33.2	76	-21	5.15	17.5	16	6	10	15
1891.....	33.8	60	-14	5.10	15.8	14	7	8	16
1892.....	31.8	66	-4	4.14	18.8	12	11	7	13
1893.....	34.8	74	3	2.52	4.8	11	9	9	13
1894.....	43.2	84	-2	1.63	1.3	8	12	11	8
1895.....	33.8	70	-4	2.31	9.0	11	10	10	11
1896.....	30.6	69	-18	4.51	21.1	11	11	8	12
1897.....	39.0	75	-5	3.22	3.4	13	11	7	13
1898.....	44.0	83	4	4.31	3.6	12	10	8	13
1899.....	36.3	75	3	4.87	7.9	14	5	9	17
1900.....	31.2	66	-23	3.61	13.1	10	10	9	12
1901.....	37.4	80	-11	4.14	3.3	13	7	10	14
1902.....	41.3	78	2	3.98	12.6	11	10	9	12
1903.....	46.4	83	14	4.52	0.1	11	10	7	14
1904.....	36.0	80	-2	4.29	4.7	12	9	8	14
1905.....	39.0	86	-18	3.86	4.1	11	12	8	11
1906.....	31.7	68	-13	4.46	20.4	14	8	7	16
1907.....	41.8	92	-10	4.26	9.3	12	11	8	12
1908.....	40.7	83	-4	4.76	3.7	12	11	8	12
1909.....	35.6	74	-5	3.07	7.3	12	10	9	12
1910.....	44.9	88	5	0.56	1.0	5	15	10	6
1911.....	35.0	73	-18	2.57	10.1	13	11	8	12
1912.....	33.6	72	-8	5.05	6.9	13	10	8	13
1913.....	42.1	81	-7	5.27	2.1	13	9	8	14
1914.....	34.2	79	-12	2.61	13.4	10	10	8	13
1915.....	32.9	62	-4	1.28	9.5	7	15	8	8
1916.....	30.7	84	-31	4.12	17.6	12	12	8	11
1917.....	37.3	84	-12	3.68	12.7	14	11	8	12
1918.....	41.6	82	0	2.34	1.5	8	17	7	7
1919.....	41.1	79	6	3.57	2.4	10	15	7	9
1920.....	38.7	80	-11	2.83	6.4	9	16	7	8
1921.....	48.0	88	7	3.33	1.0	14	12	9	10
1922.....	40.0	81	-5	4.37	6.1	14	11	6	14
1923.....	37.0	80	-8	2.49	6.2	11	13	8	10
1924.....	36.1	78	3	2.83	10.3	9	12	9	10
1925.....	40.9	79	-15	2.56	2.2	10	14	6	11
1926.....	33.1	79	-16	1.91	4.0	10	14	8	9
1927.....	42.0	82	-6	2.61	0.7	10	13	7	11
1928.....	37.0	82	-3	3.24	14.5	11	12	9	10
1929.....	43.7	89	-5	2.69	4.4	12	12	8	11
1930.....	37.9	78	-9	3.03	4.9	10	13	7	11
1931.....	36.3	69	10	2.96	6.6	11	8	7	16
1932.....	33.4	72	-8	4.41	14.7	11	10	8	13
1933.....	36.6	79	-7	5.33	5.6	14	8	7	16
1934.....	34.9	78	-22	2.96	7.7	12	12	7	12
1935.....	42.8	83	-6	2.62	2.9	12	11	7	13
1936.....	42.6	84	-3	6.84	7.4	15	9	7	15
1937.....	34.2	67	-3	2.00	8.3	10	11	8	12
1938.....	42.7	87	-5	3.19	2.0	14	10	8	13
1939.....	38.6	85	-10	3.59	3.8	12	11	8	12
Period.....	37.7	92	-31	3.50	7.5	11	11	8	12

Climatological Data for March, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear	Pt. cloudy			Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	254	27	35.6	-2.7	76	25	17	18	41	4.82	+1.42	1.06	5.5	13	16	14	1	ne.	John A. Frick.
	Altoona.....	Blair.....	1,615	52	38.0	+0.4	76	25†	2	19	37	3.75	+0.47	0.88	5.0	10	12	10	9	w.	John J. Martin.
	Ardmore.....	Montgomery.....	350	19	37.9	-3.3	78	25	18	19	38	4.40	+0.27	1.47	3.2	13	8	9	14	.....	H. L. Balderston.
	Arendtsville.....	Adams.....	700	17	42.0	+2.3	82	25	11	19	50	4.06	+0.58	0.79	2.8	11	15	10	6	nw.	Harold J. Miller.
	Bedford.....	Bedford.....	1,060	7	40.9	.....	80	26	11	3†	53	3.70	.....	0.97	T.	9	14	4	13	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	54	40.0	-0.6	79	26	11	19	35	3.73	+0.49	0.72	6.0	12	15	4	12	nw.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	13	38.1	.....	77	26	11	19	39	4.25	.....	1.47	9.0	13	15	9	7	.....	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	78	41.8	+3.1	84	25	14	19	53	3.56	+0.25	0.84	3.0	12	18	6	7	nw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	40	42.2	+2.3	85	25	14	19	48	3.27	0.00	0.63	1.8	10	13	8	nw.	William B. Spear.	
	Clearfield.....	Clearfield.....	1,120	32	37.5 ^a	+0.2	78 ^a	26	1 ^b	19	50 ^a	4.98	+1.30	1.58	5.5	15	14	8	9	w.	Otto J. W. Eppers.
Ohio Drainage.	Chester.....	380	52	39.2	-0.7	80	26	17	19	37	3.29	-0.73	0.74	4.0	14	12	3	16	nw.	Howard L. Pyle.	
	Coatesville.....	Lebanon.....	560	28	38.8	-0.3	80	25	14	18†	42	2.87	-0.96	0.73	4.3	11	12	9	10	w.	Wm. A. Korer.
	Colebrook.....	Cameron.....	1,050	52	36.6 ^b	+1.2	80 ^b	25	0 ^b	19	50 ^b	3.04	-0.69	1.00	3.0	9	14	0	17	w.	E. M. Poorman.
	Emporium.....	Lancaster.....	380	47	41.6	+1.4	80	25	17	19	45	2.75	-0.58	0.59	3.5	11	13	7	11	s.	Ira J. Keath.
	Ephrata.....	Luzerne.....	1,970	46	33.1	+0.1	74	26	5	19	29	4.12	-0.25	1.13	11.4	14	5	1	25	w.	Andrew B. Evans.
	Freeland.....	Bucks.....	190	33	40.4	-0.3	74	25	18	3†	38	4.51	+0.83	1.06	2.4	17	14	7	10	nw.	Prof. N. W. Swayze.
	George School.....	Adams.....	553	66	43.0	+2.7	84	25	16	19	46	3.11	-0.41	0.72	1.5	10	17	7	7	se.	Dr. Henry Stewart.
	Gettysburg.....	Schuylkill.....	840	35	36.6	-0.3	77	25†	10	19	46	3.83	-0.06	1.16	13.0	12	16	3	12	ne.	Miss Sallie M. Johnson.
	Gordon.....	Wayne.....	1,875	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Ronald H. Marshall.
	Gouldsboro.....	York.....	600	35	43.4	+0.9	84	25	16	19	43	2.85	-0.46	0.69	3.5	10	15	9	7	s.	Thomas Y. Cooper.
For the State.	Hanover.....	Dauphin.....	337	70	40.7	+1.8	81	25	17	19	47	2.55	-0.49	0.60	2.2	12	10	9	12	nw.	U. S. Weather Bureau.
	Harrisburg.....	Wayne.....	900	21	33.2	-1.7	75	26	-3	19	44	4.25	+1.35	1.01	16.1	15	13	11	7	w.	Mrs. Della M. Pennell.
	Hawley.....	Lancaster.....	200	24	41.0	-0.4	77	25	21	19	31	3.96	+0.94	1.16	5.0	10	14	6	11	uw.	H. W. Lowy, C. E.
	Holtwood.....	Huntingdon.....	650	52	39.6	+0.7	81	26	7	19	51	3.60	+0.14	0.60	5.5	11	10	5	16	w.	Prof. Paul R. Yoder.
	Huntingdon.....	Clearfield.....	1,694	10	35.2	+0.9	74	26	3	19	36	3.88	+0.29	1.37	5.1	16	5	9	17	w.	U. S. Weather Bureau.
	Kiutertown.....	Lancaster.....	255	52	41.5	+1.8	83	25	16	19	49	2.85	-0.47	0.67	3.5	10	16	7	8	nw.	Supt. of Water Works.
	Lancaster.....	Tioga.....	1,000	42	35.1	+0.3	77	25†	-3	19	45	2.51	+0.21	0.90	8.0	10	10	9	12	.....	C. P. Darling.
	Lawrenceville.....	Lebanon.....	469	55	38.8	-0.5	82	25	15	19	44	3.18	-0.30	0.73	4.3	11	18	3	10	sw.	Lebanon Valley Gas
	Lewistown.....	Mifflin.....	500	1	41.6	.....	80	26	15	19	48	2.69	.....	0.84	3.2	8	11	2	18	.....	Penn. Edison Co.
	Lock Haven.....	Clinton.....	580	49	39.2	+0.6	79	26	9	19	43	4.22	+0.85	1.90	4.2	16	9	12	10	nw.	Joseph Beaver.

Daily Precipitation for March, 1939																																			
Stations	Drainage Basin	Day of month																															Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Atlantic Drainage																																			
Allentown ²	Lehigh	1.12				.25	.24	T.		T.			.35	1.06			.44					T.	.08					.01	.01	.75	.01	.12	.38	4.82	
Altoona	Juniata					.38	.35					.34	.40	.60		.30	T.		.10								T.	.05	.16	.53		.88	3.75		
Ansonia ²	W. Br. Susq.	.09	T.			.88	T.			.15			.36	.53			.07	T.	T.	T.			.09					T.	T.	.16	.53		.02	.24	2.87
Ardmore ³	Lower Del.				.06	.41	.05						.80	.67	.02		.85	.18					.21		.10			.40	T.	.02	.63			4.40	
Arendtsville ²	Lower Susq.	.67				.48	.18			T.				.49	.79			.02		T.	T.						.02		.68		.19	.46		4.06	
Baker's Summit.	Juniata	.04				.51	.35						.30	.32	.36				.12	.12								.15	.63	.10	.48	.01		3.49	
Bald Eagle ¹	Middle Susq.				.04	.45							.25	1.12	.35		.22											.48	.05	.10	.70			3.76	
Bedford	Juniata	.25				.54	.34	T.					.10	.87			.21	T.	T.	T.	T.							T.	.79		.30	.30		3.70	
Bellefonte	W. Br. Susq.					.15	.19	T.		T.			.11	1.01	.11		.15		T.	T.	T.	T.		.04		.01		.02	.70		.36	.03		2.88	
Berwindale ¹	W. Br. Susq.					.42	.06						.27	1.70	.04		.23										.03	1.07	.07	.16	.80			4.85	
Bothlehem	Lehigh	.03		T.		.29	.21			T.			.72	.60			.02	.44					.14		.02		.03	1.07	.07		.53	.01		3.73	
Bloomsburg	Susquehanna					.26	.42		.06				.25	1.47	.32		.19	.02	T.	T.			.15		.21			.04	.40	T.	.46	T.		4.25	
Blossville	Lower Susq.					.35	.37						1.02	.32			.06						.18			.01	.40			.48				3.19	
Buffalo Mills ²	Potomac	.55				.52	.44						.26	.75			.15													1.02	.24	.29		4.22	
Carlisle	Lower Susq.	.02				.40	.40			T.			.35	.30	.54		.02	.07	T.				.07			T.		T.	.70		.68	.01		3.56	
Carter Camp ¹	W. Br. Susq.			.02		.12				.17			.21	.78	.15		.17						.05			.07	.28	.42	.07	.43				2.94	
Center Hall	Susquehanna	.11				.10				.12	.08	1.30					.10			.01			.22		.04		.07	.28	.42	.07	.43			2.77	
Chambersburg ²	Potomac	.57				.42	.20						.41	.47				.06			T.		.06							.45	.05	.58		3.27	
Clearfield ²	W. Br. Susq.					.29	.22	.01		.06	.02		1.58	.27		.27		.04					.03		.02		.09	1.04		.41	.90			4.98	
Coatesville	Lower Del.				.03	.34	.25						.40	.33	.11		.12	.08				.10	.20		.01		.16	.42	.74				3.29		
Colebrook	Lower Susq.					.43	.24			T.			*	.25	.73		.06	T.					.06		.07		.08	.32	.68				2.87		
Conshohocken	Schuylkill	.10			.03	.31	.09			.04			.21	.59	.23		.12	.75				.05	.37		.16	.02	.02	.71	.72					4.52	
Covington ²	N. Br. Susq.	.40	T.			.20	.05			.18			.20	.50			T.	.18	.05				.08		.10		.18	.55		T.	.20			2.87	
Doylstown	Lower Del.			.03		.21	.30			T.			.18	.30	.32		.08	.41					.07		.12		.03	.68		.69				3.42	
Driftwood ¹	W. Br. Susq.					.26				.10			.11	.29	.06		.13					.09	.02		.20		.52	.19	.10	.40				3.47	
Du Bois	W. Br. Susq.	T.				.34	T.	.02		.06	T.	1.30	.38			.21		.03	.04	T.			T.					.04	.65		.80	.11		4.03	
East Waterford ²	Middle Susq.	.61				.47	.21			T.			.28	.65			.10						.10					.04	.85		.09	.37		3.81	
Emporium	W. Br. Susq.					.10							1.00	.35		.18							* ¹		.05	.05		.10	.45		.28	.48		3.04	
English Center ¹	W. Br. Susq.					.25	.13			.10			.18	.89	.19		.11												.37	.41	.13	.46		3.32	
Ephrata	Lower Susq.					.37	.22						.28	.32	.27		.05	.02	T.				.03		.07			.53		.59				2.75	
Forest City ²	N. Br. Susq.																																		
Fredericksburg ²	Schuylkill					.32	.12						.90	.71			.49			T.			.09		.15			.71		.16	.35			4.00	
Freeland ²	Lehigh	.50	T.			.25	.35	T.		.12	T.		.30	1.13	T.		.24			.03	.02		T.	.12			.12		.60	T.	.12	.22		4.12	
Galeton	N. Br. Susq.	T.	T.			.10				.16	T.	.05	.91	.09		.16	T.	T.	.02				.10				.22	.34		.39				2.54	
George School	Lower Del.	.11			.07	.29	.26			.01			.13	.47	.47		.03	1.03				.01	.08		.06	.02	.03	.60		.84				4.51	
Gettysburg	Potomac	T.				.50	.16						.20	.40	.34		.04	T.	T.				.11					.01	.71		.64			3.11	
Girardville ²	Lower Susq.	.72				* ²	.93			.04			.35	1.37			.20	T.			.01			.38		.03	* ³	.65	* ⁴	.54				5.22	
Gordon	Lower Susq.	.26				.29	.32			T.			.20	1.16	.12		.04	.16	T.				.13					.04	.68		.43			3.83	
Gouldsboro ²	Lehigh												.07	.18	.14		.12						.11		.26	.12	T.	.53		.37				3.38	
Graterford	Schuylkill				.03	.04	.32			T.			.17	.37	.37		.02	.04	T.					.18				T.	.35		.69			2.85	
Hanover	Lower Susq.					.52	.14						.17	.37	.37		.02	.04	T.					.18				T.	.35		.69			2.85	
Harrisburg ¹	Lower Susq.					.41	.19	T.		T.			.15	.58	.03		.07	T.	T.				.04		.12			.46	.07	.08	.35			2.55	
Hawley ²	Upper Del.	.53				.19	.34	T.		.26	.01	T.	.58	1.01			.25	T.	T.	.02	.03	T.	.02			.06	T.	.54		.18	.23			4.25	
Hollersville ²	Upper Del.	.47				.36	.23			.09	.12		.61	1.01			.06		.02				.04			.14	.02	.55		.04	.31			4.07	
Holtwood ²	Lower Susq.	1.16				.40	.13			T.			.30	.64			.09						.11			T.	.57		.24	.32				3.96	
Huntingdon	Juniata					.35	.43			T.			.40	.60	.40		.14			T.			.05			.01		.30	.32	.60	T.			3.60	
Huntsdale ¹	Lower Susq.					.45	.08						.19	.55	.18		.10											.52	.18	.08	.42			2.75	
Hyndman ²	Potomac	.58				.55	.18						T.	.11	.89		.12			T.			T.				.08		.81		.32	.22		3.86	
Kylertown ² * ¹	W. Br. Susq.	.04	T.			.23	.24	.02		.03	T.	.11	.23	.22		.16	T.	.01	.01				.09		T.	.05	T.	.13	.71	.60	T.			3.88	
Lakeville ²	Upper Del.					.23	.37			.22			.76	.88			.18			.03			.03				.03		.62		.12	.25		4.21	
Lancaster	Lower Susq.	.50				.23	.37																												

Daily Precipitation for March, 1939—Continued from page 15

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Sellersville ¹	Lower Del.					.41	.21					.12	.19	.29		.70	.04						.05			.07		.32	.39	.01	.70		3.50	
Shade Gap ¹	Middle Susq.					.62	.12					.21	.45	.35		.20						.09	.02				.33	.32	.03	.46		3.20		
Shawmont ¹	Schuylkill	.18			.05	.38	.31			.02		.17	.40	.58		.06	.94					.01	.08			.02		.01	.46		.65		4.32	
Shippensburg ¹	Lower Susq.	.01				.48	.10					.32	.40	.12		.03	.05	T.	T.				.11					.50		.50		2.62		
State College ¹	W. Br. Susq.	T.				.23	.30	T.				.13	.25	.12		.22	T.	T.	T.				.09			.04		.26	.48	T.	.43	T.	3.55	
Stroudsburg ²	Upper Del.					.75				.10		T.	1.60				.45						.08			.15			.95				4.08	
Sunbury ²	Lower Susq.	.65				.30	.52			T.	.02		.24	2.00			.20		.03	T.		T.		.22	T.		T.		.50		.08	.35	5.11	
Susquehanna ²	N. Br. Susq.	.25	T.			.06	.01	T.		.08	.10		.12	.67			.19			.02	.01	T.	T.				.21	.04	.57	T.	.05	.12	2.50	
Towanda ¹	N. Br. Susq.	T.	T.			.22	.01	T.		.17	T.	.10	.61	.12		.04	T.	T.		.07		T.	.03			T.	.07	.08	.69	.25	T.	.26	2.46	
Weikert ¹	Lower Susq.					.65	.48					.90	1.10	.24									.50			.06		.42		.55			4.90	
Wellsboro ¹	N. Br. Susq.	.05	.01			.16				.13		.04	.66	.14		.07	T.	T.		.07			.08				.04	.19	.69		.26		2.56	
Ohio Drainage																																		
Wernersville ² , [nr]	Schuylkill					*	.25	T.					.24	.44		.24							.10			.05		.12			.19	.45	1.98	
West Chester ¹	Lower Del.	.06			.03	.40	.17					.31	.41	.36		.51	.08						.10			.16	T.	.02	.51		.57		3.69	
Westgrove ²	Lower Del.	.94				.50	.15	.02					.21	.90		.66							.12	T.			.06		.32	.24	.39		4.54	
Wilkes-Barre ²	N. Br. Susq.		T.			.21	.42	T.		.16	T.	.11	.52	.14		.09	.19	T.	T.			T.	.05			.07	T.		.39		.38	.01	2.74	
Wilkes-Barre ²	N. Br. Susq.	.58				.06	.12			.06			.19	.71		.26			.02				.04				.15	.03	.42		.03	.29	2.96	
Williamsport ¹	W. Br. Susq.	.57				.21	.26	T.		.06			.23	1.06		.12	T.	T.				.17	T.			.04	T.	.62		.24	.40		3.98	
Williamstown ¹	Lower Susq.					.21	.15			T.		.16	.54	.49		.14	T.	T.				.06				T.		.14		.19			2.08	
York ¹	Lower Susq.					.48	.32					.34	.34	.33		.05	.04					.20			.13			.38		.63			3.24	
York Haven ²	Lower Susq.	.87				.46	.14						.35	.55		.11						.05						.60	.05	.18	.45		3.81	
Zionsville ¹ , (near)	Schuylkill	.02	T.		.04	.31	.30					.35	.45	.58		.15	.34						.34			T.		T.	.84		.63		4.35	
Trenton, N. J. ¹	Lower Del.				.07	.28	.18			.01		.50	.49	.06		.74	.09					T.				.34		.35	.84	T.	.83		4.39	
Ohio Drainage																																		
Acmetonia ²	Allegheny	.12	T.			.30	.34			T.		.03	.61	.40			T.	.03		T.								.14	.45		.33	.66	3.41	
Beaver Falls ²	Beaver	.05	T.			.35	T.	T.	T.	T.		.05	1.35	.60			T.	.05	T.	.03								.02	.57		.17	.71	3.95	
Blairsville ²	Allegheny	T.	.01			.33	.46					.05	.44	.68			.04	.03	T.	.03								.11	.93	T.	.31	.46	3.88	
Bradford ¹	Allegheny	.16				.16	T.	.08		.24			.15	.07		.12		.02	.02								.06	.42	.08	.58	T.		3.28	
Brookville ²	Allegheny	.10	.02			.47	.06	.03	T.	.10	T.		.82	1.52			.32	.04				.03	T.			.02		.12	.10	.72	.23	.75	5.47	
Bucktown ¹	Allegheny					.72	.12																					.55	.13	.15	.70		\$	
Butler ²	Ohio	T.				.40						.18	*	1.95				.02	.05									.63		*	1.01	4.24		
Chambersville ¹	Allegheny					.36	.18	.01		.01		.25	.95	.46		.09	T.	.02	.02									.09	.70		.79	.06	3.99	
Clairton ³	Monongahela					.42	T.					.38	.22	.08		.04		.04	T.								.05	.92		.26	.29	.16	2.86	
Clarion ²	Allegheny	.09	T.			.55	.10	.02		.12	.02	T.	.89	1.65	.01		.24	.01	T.	T.							.06	.09	.85		.17	.86	5.75	
Claysville ¹	Ohio					.43	.11			T.		.26	.27	.32		.08		T.	.03	T.								.67	.22	.01	.70		3.10	
Confluence ²	Youghiogheny	.25				.67	.68			T.			.45	.96					.07	.05							T.	T.	.63		.22	.72	4.70	
Connellsville ²	Monongahela	.02				.47	.60			T.		T.	.23	.42			T.	T.	T.		.02						T.		.02	.28	T.	.37	.28	2.71
Coraopolis ²	Ohio					.30	.05	T.					.40	.30			.06	T.		T.								.07	.51		.49	.35	2.53	
Corry ¹	Allegheny					T.	.13							1.30			T.											.58		.72			2.73	
Coudersport ¹	Allegheny	T.				.18		.08		.46			.92	.08		.26	T.	T.	T.					.54				.24	.46		.84		4.06	
Derry ¹	Conemaugh					.40	.27	T.				.29	.22	.32		.06		T.	.03	.03								.32	.50		.79	.03	3.26	
Douglas ²	Monongahela					.45	.47					.48	.39	T.		.07	T.	T.	T.									.01	.16	.04	.09	.59	T.	3.77
Dunlop ¹	Allegheny					.57	.40					.21	.11	.07		.28		T.		.20								.02	.33		.10	.61	\$	
Ebensburg ¹	Conemaugh	.07				.32	.34	T.		.01		.22	.66	.47		.41	T.	T.		.20									.08			1.02	.06	3.46
Franklin ²	Allegheny	.08	T.			.30	.04	.05	T.	.10	T.		.59	.57		.41	.18		.10	T.								.05	.39	.27		.04	.72	3.48
Greensboro ²	Monongahela	.17				.64	.49	T.		T.		T.	.48	.80	T.		.03		.02	.02								T.	.02	.80		.41	.30	4.18
Ohio Drainage																																		
Greensburg ¹	Youghiogheny	T.				.42	.39	T.		T.		.34	.30	T.		.18	T.	.03	.02	.01							.05	T.	.39	1.05	T.	.88	T.	4.06
Greenville ¹	Beaver	T.	T.			.30	T.	T.		.02		.05	1.10	.03		.01	T.	T.	T.									.08	.78		.88	.05	3.30	
Grove City ¹	Beaver					.55	T.			.03		.14	1.10	.17		.04	T.	.01	.01	T.								T.	T.	.27	.18	.77	.01	3.27
Irwin ¹	Monongahela					.40	.13			T.		.30	.27	.15		.09		.01	.01									T.	.25	.55		.87	T.	3.03
Johnstown ¹	Conemaugh					.40	.42			.02		.42	.58	.21		.19	.02	.03	.09									.01	.09	.42		.98	T.	2.88
Kane Forest Sta. ¹	Allegheny					.10		.05		.12			.29	.78	.15		.18						.07					.12	.29	.38		.71	.05	3.00
Kregar ²	Youghiogheny				.41	.72						.29	.64			.09	T.	.06		.01	.02						.02	.10	.35	T.	.24	.45	.05	3.42
Lake Lynn ²	Monongahela	.04				.71	.54					.02	.84	.49		.07		.05	.06	.05		.02					.05	.49	.02	.78		.42	.26	3.93
Linesville ²	Beaver	.11				.21	.48	.04	T.	.10		.03	.42	.37		.08		.08	T.	.02								.49	T.		.25	.67	3.32	
Lock No. 4 ²	Monongahela	.11				.38	.48					.03	.42	.37		.08		.08	T.	.02								.49	T.		.25	.67	3.32	
Lock No. 5 ²	Allegheny	.11				.34	.05	T.		.01		T.	1.18	.95		.12		T.	.03															

Daily Temperatures for March, 1939

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Altoona.....	Maximum.....	45	42	47	54	55	55	46	40	55	42	37	30	35	44	40	46	30	26	35	52	40	43	60	74	76	70	70	42	45	50	45	47.6	
	Minimum.....	32	30	16	26	37	33	25	11	31	28	23	25	28	21	29	28	22	11	2	31	14	37	23	38	50	51	56	32	31	35	33	28.4	
Bedford.....	Maximum.....	45	39	49	52	67	67	42	44	61	52	45	33	40	52	49	45	35	30	39	34	55	50	45	65	76	78	80	48	52	53	52.3		
	Minimum.....	34	25	11	26	40	42	29	15	31	30	26	28	30	25	32	30	25	13	11	32	18	32	23	23	49	49	43	51	38	28	38	29.5	
Bethlehem.....	Maximum.....	50	40	45	46	49	59	58	40	58	56	44	30	39	44	44	48	38	35	36	34	48	48	58	52	72	79	75	64	51	48	48	49.3	
	Minimum.....	36	28	20	31	42	43	31	19	29	31	22	20	29	32	29	38	28	20	16	25	24	24	25	38	50	40	52	33	28	32	40	30.8	
Bloomsburg.....	Maximum.....	51	40	48	54	54	57	41	38	53	50	30	34	40	45	44	40	33	33	32	55	52	39	55	66	76	77	65	46	54	47	45	48.5	
	Minimum.....	37	26	17	29	36	35	32	15	25	27	19	20	30	26	24	32	25	19	19	29	20	23	20	27	37	45	45	34	22	34	38	27.7	
Brookville.....	Maximum.....	32	40	27	38	48	49	18	33	48	28	33	34	30	37	40	26	25	19	38	52	29	30	29	75	77	76	45	40	41	50	38	40.5	
	Minimum.....	22	15	12	13	26	37	27	8	9	26	26	26	26	28	19	21	25	18	11	2	0	11	16	19	29	38	40	32	17	22	33	20.8	
Butler.....	Maximum.....	61	40	50	55	60	58	40	52	50	47	39	40	37	52	48	36	31	26	35	50	50	45	63	78	75	74	72	47	45	52	50.3		
	Minimum.....	31	21	16	28	35	35	27	13	36	29	30	35	29	24	27	25	19	16	4	32	15	29	23	29	47	42	37	33	20	30	33	27.4	
Carlisle.....	Maximum.....	46	42	50	60	60	60	56	43	64	54	48	32	40	52	48	45	40	37	38	60	55	46	61	81	84	70	70	50	52	47	52	53.0	
	Minimum.....	38	30	18	36	40	46	33	19	28	31	24	22	32	36	26	36	27	16	14	26	22	27	20	28	46	43	50	36	28	38	40	30.6	
Chambersburg.....	Maximum.....	46	43	49	54	59	59	47	45	65	53	43	26	25	31	30	51	52	49	38	36	62	52	45	58	80	85	81	73	53	51	48	50.2	
	Minimum.....	35	29	19	31	40	45	32	20	29	31	26	25	31	30	40	45	50	49	41	28	35	48	40	44	61	77	78	73	45	48	55	49.3	
Chambersville.....	Maximum.....	54	38	52	59	59	62	37	46	53	43	37	35	40	37	35	28	21	14	30	21	29	25	32	48	45	50	37	28	39	40	31.5		
	Minimum.....	29	18	15	31	39	33	24	9	34	26	27	28	27	21	34	25	19	11	1	30	11	27	21	29	46	47	44	34	23	37	33	26.9	
Claysville.....	Maximum.....	68	45	51	59	65	64	42	49	57	47	46	64	57	56	55	47	35	30	35	56	47	46	64	78	78	75	66	48	50	54	43	30.0	
	Minimum.....	31	16	17	34	44	35	27	15	39	27	32	38	28	23	44	26	20	14	7	33	16	31	22	34	53	56	39	32	24	41	33	26.8	
Clearfield.....	Maximum.....	36	41	52	58	57	56	35	40	40	43	38	35	33	44	45	41	32	27	34	54	42	63	78	78	77	74	70	49	49	48	49	48.4	
	Minimum.....	32	20	15	26	38	35	26	11	30	27	23	26	29	18	28	27	20	15	1	31	15	29	28	28	37	41	49	33	21	.....	26.2		
Coatesville.....	Maximum.....	57	38	44	49	54	51	44	38	63	50	37	37	41	44	51	52	40	37	32	50	46	38	51	70	80	80	80	47	34	27	32	40	29.1
	Minimum.....	36	29	19	25	40	42	31	19	27	30	19	20	29	30	26	26	23	19	17	26	23	24	21	33	48	39	47	34	27	32	40	29.1	
Corry.....	Maximum.....	44	39	48	55	50	50	29	40	44	35	33	35	40	45	54	41	27	28	31	34	40	36	59	72	72	75	66	38	46	47	37	41.8	
	Minimum.....	22	3	17	27	36	24	15	-3	26	20	20	26	23	18	30	17	12	5	-10	5	7	16	17	25	40	47	31	20	15	33	26	19.7	
Coudersport.....	Maximum.....	43	37	43	54	51	49	30	38	44	34	28	32	32	43	41	42	26	24	29	49	32	38	57	71	74	73	54	39	41	45	48	49.4	
	Minimum.....	26	13	12	29	37	30	21	4	26	22	17	22	27	29	28	19	18	20	-5	25	13	20	17	25	33	38	31	28	15	32	30	22.3	
Donora*.....	Maximum.....	45	42	54	63	69	62	41	49	59	46	47	57	48	57	61	39	34	28	38	54	46	47	66	81	80	79	72	53	53	58	42	53.9	
	Minimum.....	31	27	25	36	47	32	25	21	39	34	38	43	33	31	37	30	25	20	16	28	21	34	29	39	56	55	41	38	48	40	38	34.1	
Ebensburg.....	Maximum.....	38	34	42	55	59	53	38	32	44	39	35	36	42	46	44	32	20	32	40	36	40	58	70	68	72	68	42	33	15	15	44.7		
	Minimum.....	27	27	20	28	37	32	22	22	29	25	22	24	25	32	32	18	8	4	29	11	28	22	40	58	52	51	39	30	21	32	29	27.2	
Emporium.....	Maximum.....	49	39	50	56	57	55	38	.....	47	37	35	35	43	44	41	31	30	36	53	48	40	59	73	80	78	70	49	49	41	43	42	48.3	
	Minimum.....	33	17	14	24	36	35	26	.....	10	22	26	30	22	25	27	17	11	0	35	15	19	21	25	30	48	44	32	17	30	34	24.8		
Ephrata.....	Maximum.....	49	41	49	47	59	61	49	45	61	53	42	33	41	48	51	52	41	37	38	56	52	43	59	75	80	71	70	54	53	48	48	51.8	
	Minimum.....	39	31	20	33	43	46	34	20	30	31	23	27	31	31	32	27	25	20	17	28	24	27	28	30	43	41	53	36	28	34	41	31.5	
Erie*.....	Maximum.....	35	35	49	54	55	51	31	38	46	33	33	36	40	50	50	31	25	20	41	43	31	32	56	70	63	75	39	34	43	45	39	42.3	
	Minimum.....	27	19	30	39	35	30	17	14	27	24	24	29	28	29	31	24	18	11	6	20	19	20	26	46	44	39	28	25	24	32	32	26.4	
Franklin.....	Maximum.....	34	39	49	55	54	48	39	40	49	37	35	36	41	45	55	31	25	23	42	44	39	37	61	74	74	46	43	46	51	39	45.3		
	Minimum.....	33	18	18	19	29	39	25	10	11	27	27	29	28	23	24	25	20	13	2	3	14	14	21	22	29	40	40	27	19	20	33	22.6	
Freeland.....	Maximum.....	44	33	40	44	50	52	40	33	48	42	33	29	30	39	37	43	29	27	27	46	44	33	47	64	70	74	63	41	45	41	43	42.9	
	Minimum.....	19	19	19	27	28	38	24	9	22	22	11	18	19	21	18	23	19	13	5	22	15	18	18	39	52	46	38	29	19	21	30	23.8	
George School.....	Maximum.....	58	42	45	48	52	62	49	39	62	54	41	34	44	47	48	53	42	38	35	49	50	43	52	72	74	59	73	53	47	51	52	50.6	
	Minimum.....	34	30	18	30	42	44	30	19	27	32	18	29	30	29	28	28	24	21	18	26	24	24	23	34	50	40	46	36	27	31	41	30.2	
Gettysburg.....	Maximum.....	48	43	45	51	57	60	56	43	66	59	47	33	44	52	51	52	41	38	37	59	57	44	56	79	84	81	77	57	50	48	50	53.7	
	Minimum.....	38	30	20	30	42	48	33	20	30	30	25	32	30	30	37	29	20	16	28	29	24	25	33	54	47	57	37	29	37	40	32.4		
Gordon.....	Maximum.....	48	35	45	51	52	55	41	38	57	47	36	33	84	41	41	41	34	30	32	54	49	36	54	71	77	65	44	48	42	45	46.9		
	Minimum.....	35	25	14	27	38	41	30	14	24	24	17	21	29	27	23	33	15	12	10	27	19	24	24	25	34	43	44	34	20	31	37	26.2	
Greensburg.....	Maximum.....	62	39	51	57	62	62	35	48	55	48	40	46	45	56	57	47	34	29	34	53	39	46	62	76	73	67	46	49	56	43	51.4		
	Minimum.....	32	21	22	35	43																												

Daily Temperatures for March, 1939--(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum.....	48	42	45	46	50	60	58	41	59	54	44	33	38	41	44	45	40	36	33	50	50	37	52	71	78	77	66	53	46	46	46	49.3
	Minimum.....	39	28	16	29	41	40	33	18	18	30	19	23	30	30	26	36	18	15	12	28	22	24	18	28	38	40	48	34	26	32	39	28.3
Quakertown.....	Maximum.....	51	39	44	48	51	59	56	37	59	58	42	32	38	41	44	51	38	35	32	48	46	38	50	70	78	62	70	63	45	45	45	48.7
	Minimum.....	38	28	16	28	40	39	32	17	27	30	16	23	28	28	24	37	20	17	15	25	21	25	21	36	41	38	43	32	25	32	39	28.4
Reading*.....	Maximum.....	51	40	48	51	52	63	42	41	60	45	30	38	39	44	57	51	39	35	37	55	39	39	55	73	80	66	67	45	49	49	48	49.3
	Minimum.....	34	29	22	35	42	36	27	20	32	30	20	29	31	31	32	32	27	23	17	32	25	25	27	40	46	42	42	36	29	33	40	31.2
Retreat.....	Maximum.....	52	38	47	52	51	57	56	35	53	47	30	34	39	42	42	41	37	33	31	52	42	36	51	69	79	75	61	43	52	46	46	47.4
	Minimum.....	35	24	14	32	35	37	30	10	26	26	17	21	27	20	24	34	18	14	5	26	24	21	16	26	35	44	41	33	19	30	37	25.8
Ridgway†.....	Maximum.....	47	33	33	48	55	55	49	29	42	48	37	33	35	34	41	47	31	26	24	41	49	38	40	59	73	74	74	49	41	45	48	44.5
	Minimum.....	31	12	11	14	34	37	24	5	6	24	24	24	28	17	19	25	16	13	-6	-4	11	15	18	20	25	39	40	29	15	18	31	19.8
Scranton*.....	Maximum.....	50	34	46	52	51	58	35	34	51	36	25	32	35	37	44	43	34	30	30	49	30	33	51	66	73	74	63	37	47	45	44	44.2
	Minimum.....	30	23	19	35	40	35	19	15	27	18	16	22	28	28	26	23	17	11	25	20	21	23	32	38	51	37	27	24	32	38	28.4	
Selinsgrove.....	Maximum.....	45	39	47	53	53	61	46	35	61	48	39	34	39	44	44	45	36	32	34	56	55	40	56	72	80	75	72	53	49	45	45	49.5
	Minimum.....	37	26	27	42	42	29	12	80	29	19	20	30	29	25	34	24	20	14	30	20	25	21	29	60	67	42	34	24	36	39	30	54
Somerset.....	Maximum.....	52	38	48	56	62	60	36	46	51	45	40	33	35	52	51	47	30	24	32	46	41	39	59	72	73	70	68	59	43	51	42	48.5
	Minimum.....	29	19	16	25	40	36	25	12	31	27	27	29	26	19	36	24	20	13	12	29	14	30	20	26	42	37	48	33	21	35	31	26.8
Springs.....	Maximum.....	54	35	47	57	62	59	34	45	55	46	34	32	42	51	52	35	27	22	33	49	38	41	60	72	72	73	65	45	40	49	35	47.1
	Minimum.....	28	20	15	24	41	31	24	11	26	25	27	28	26	19	31	24	20	12	-4	29	14	21	21	30	47	45	45	34	23	35	30	25.9
State College.....	Maximum.....	38	40	47	53	53	57	42	41	48	43	36	35	36	43	43	38	32	32	37	53	40	42	59	74	76	78	62	42	46	47	40	46.9
	Minimum.....	29	22	22	28	36	40	21	13	27	27	22	23	29	24	30	29	22	14	7	30	15	19	24	34	51	49	36	31	23	35	34	27.3
Stroudsburg†.....	Maximum.....	41	45	48	38	40	50	58	56	55	43	36	28	32	38	44	56	40	39	33	49	45	38	54	72	56	73	61	54	49	46	53	47.4
	Minimum.....	33	14	34	33	36	38	32	30	16	29	14	18	28	22	18	32	17	13	11	25	22	28	20	37	34	37	30	36	38	33	36	27.2
Towanda.....	Maximum.....	49	36	47	51	55	58	37	35	45	47	25	33	37	41	45	44	32	27	31	50	33	35	56	69	75	77	66	36	43	46	45	45.4
	Minimum.....	30	22	17	32	33	36	22	13	26	23	16	23	27	25	19	28	20	14	-4	25	20	20	16	25	32	48	35	28	19	32	36	24.5
Uniontown.....	Maximum.....	67	42	53	63	67	64	45	64	61	49	45	59	49	64	62	50	35	31	37	58	46	50	69	81	80	78	68	46	53	59	45	55.8
	Minimum.....	35	23	20	34	46	40	30	19	42	32	37	41	32	26	47	30	25	20	9	35	20	36	25	37	57	57	46	38	28	44	36	33.8
Vandergrift*.....	Maximum.....	47	42	53	62	64	60	40	58	59	42	43	43	49	54	57	44	35	31	36	55	40	49	66	75	82	80	62	52	52	52	43	52.5
	Minimum.....	29	24	20	30	43	32	20	16	34	31	37	32	31	26	36	27	23	15	8	25	17	31	26	49	47	48	38	31	21	41	36	29.8
Warren.....	Maximum.....	43	37	47	54	51	47	29	38	45	33	31	35	35	41	52	41	25	23	31	45	33	36	59	72	73	75	60	41	43	47	37	48.8
	Minimum.....	27	11	19	30	38	28	19	4	25	24	24	28	28	23	35	23	16	11	-3	23	14	22	21	28	38	45	35	25	19	36	31	24.1
Waynesburg.....	Maximum.....	68	43	52	61	65	62	42	53	58	49	49	61	50	62	58	48	35	30	36	56	44	46	66	79	78	76	72	46	55	57	45	54.9
	Minimum.....	33	20	18	34	45	37	30	17	35	30	35	45	30	26	47	28	23	19	8	35	19	29	24	33	56	53	42	36	26	43	35	32.0
Wellsboro.....	Maximum.....	43	32	45	48	51	53	35	36	45	38	24	33	36	38	45	40	29	25	30	51	30	32	54	67	73	73	61	35	39	43	45	42.9
	Minimum.....	29	17	15	29	34	26	20	9	21	23	18	22	28	26	21	26	20	14	1	26	15	20	19	26	33	55	32	26	18	34	34	23.8
West Chester.....	Maximum.....	53	41	48	46	57	61	52	42	64	52	39	33	42	49	53	46	42	39	36	58	47	42	54	72	82	66	73	53	50	49	45	51.1
	Minimum.....	38	31	20	29	42	47	31	20	28	32	20	29	30	30	30	37	24	21	17	26	24	25	23	33	49	40	51	36	28	34	41	31.2
Wilkes-Barre.....	Maximum.....	50	36	46	52	52	59	41	36	54	44	29	35	38	39	44	44	35	29	30	51	38	36	52	65	74	75	59	43	48	46	45	46.1
	Minimum.....	36	25	19	34	38	40	26	16	25	27	17	24	28	29	25	33	22	18	13	28	22	20	20	28	36	49	42	34	24	32	40	28.1
Williamsport.....	Maximum.....	44	38	49	53	51	58	40	35	48	45	37	34	38	45	43	38	34	29	33	53	48	38	56	74	77	78	72	40	46	44	47	47.3
	Minimum.....	35	24	20	32	39	40	31	15	29	27	21	22	31	28	29	33	24	20	11	30	19	24	23	28	39	48	40	33	23	35	38	28.7
Williamstown.....	Maximum.....	45	40	45	44	55	47	44	40	56	54	42	34	34	42	42	48	38	33	36	50	53	36	53	71	80	74	74	49	48	44	45	48.3
	Minimum.....	33	23	28	28	38	35	27	13	26	24	14	13	19	24	26	30	22	16	9	24	17	21	20	40	47	49	46	31	21	29	33	26.3
York.....	Maximum.....	49	43	49	51	56	61	56	42	65	58	47	35	42	49	53	54	42	37	36	59	57	41	56	76	83	76	74	61	51	49	49	53.4
	Minimum.....	40	31	19	32	42	47	32	22	32	31	24	26	33	30	29	39	24	18	15	30	24	28	22	29	44	45	55	38	30	37	39	31.8

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. •, •, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	Percentage of sunshine
Erie.....	30.06	30.62	8	29.45	12	9.5	30	sv.	1	78	74	77	46
Harrisburg.....	30.09	30.63	8	29.50	13	9.9	41	nw.	9	72	54	61	63
Philadelphia.....	30.08	30.66	8	29.47	13	13.5	36	n.	25	70	58	62	60
Pittsburgh.....	30.05	30.59	8	29.31	12	13.1	45	sw.	1	72	56	56	53
Reading.....	30.09	30.64	8	29.50	13	13.1	41	nw.	9	64	54	57	50</

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

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GENERAL SUMMARY.

April temperatures averaged nearly two degrees below the normal due to unseasonably low temperatures during the first half of the month. The last heavy frost or freezing occurred in most regions from the 14th to 16th, and the last half of the month accumulated an excess that served to partly balance the deficiency of the first half. Vegetation was backward, and had not advanced far enough during the first half of the month to suffer much from frosts. Orchards were coming into bloom in the southern counties at the end of the month, about ten days late. The soil did not warm up to good growing temperatures until near the end of the month, and garden seeds were slow to germinate. The rainfall averaged a little above the April normal, due chiefly to heavy rains in the lower Delaware Basin. At Philadelphia it was a little more than twice the April normal, and the accumulated excess since January 1st was 8.24 inches. Light rains were of frequent occurrence in all parts of the State, there being an average of 15 days with .01 inch or more. This kept the top soil muddy, and field work made slow progress. Oats seeding was nearly finished in the southern counties at the end of the month, and was generally in full swing in the northern part of the State. Corn ground was mostly prepared for planting in the southern counties, but planting did not get well under way because the soil was too cold, and farmers feared that the seed would rot in the ground. The planting of truck crops was delayed by the wet top soil, and at the end of the month that work was about two weeks late. Conditions seemed to be favorable for the winter grains, which made a normal growth, and were generally looking good. Rye was heading in the southern part of the State at the end of the month. Pastures and meadows made a good growth, and stock was turned into the pastures during the last week. There had been some winter killing of clover, but alfalfa came through in fine condition.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 93 stations, was 46.7°, which is 1.9° below the 52-year normal for April. The highest monthly mean was 53.8° at Marcus Hook, and the lowest was 39.5° at Mt. Pocono. Extremes for the month ranged from a maximum of 90° at Stroudsburg on the 25th to a minimum of 9° at Corry and

Ridgway on the 9th. The greatest daily range in temperature was 51° at Emporium on the 24th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 178 stations, was 3.70 inches, which is 0.27 inch above the 52-year normal for April. The greatest monthly amount was 6.83 inches at Philadelphia-Navy Yard, and the least was 1.16 inches at Galeton. The greatest amount for any 24 consecutive hours was 2.16 inches at Philadelphia-Pt. Breeze on the 6th.

The average snowfall for the State was 1.0 inch, which is 1.2 inches less than the 52-year normal. The greatest total snowfall for the month was 5.8 inches at Warren, at which place also occurred the greatest fall for a 24-hour period of 4.2 inches on the 12-13th.

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	47.2	92	12	2.52	1.3	8	14	10	6
1889.....	49.7	88	14	4.50	0.9	11	11	8	11
1890.....	48.6	85	12	3.46	0.4	10	14	8	8
1891.....	49.8	87	11	2.08	1.2	8	13	9	8
1892.....	46.9	85	14	2.04	1.1	10	10	10	10
1893.....	47.7	85	16	4.74	0.6	14	7	10	13
1894.....	48.0	83	5	3.62	14.7	11	11	8	11
1895.....	49.2	90	5	3.76	0.2	10	10	8	12
1896.....	53.0	97	4	1.75	0.9	8	10	10	10
1897.....	49.0	92	12	3.30	0.3	10	12	9	9
1898.....	45.6	84	4	2.93	2.5	12	9	8	13
1899.....	50.2	92	2	1.76	0.5	6	15	9	6
1900.....	49.2	90	13	1.57	0.9	8	14	8	8
1901.....	47.2	95	10	5.41	4.9	11	9	5	16
1902.....	48.0	91	20	3.56	3.0	9	8	10	12
1903.....	48.8	90	12	3.53	T	10	11	7	12
1904.....	44.7	86	9	3.45	1.0	13	8	8	14
1905.....	48.4	84	16	2.84	2.8	12	9	11	10
1906.....	50.0	89	12	3.13	0.6	9	14	8	8
1907.....	43.6	84	8	2.64	4.0	11	10	7	13
1908.....	49.8	89	0	3.51	1.0	12	12	8	10
1909.....	48.5	87	8	5.39	2.6	13	10	9	11
1910.....	52.6	89	13	5.07	0.6	13	10	9	11
1911.....	46.2	84	6	3.79	4.4	13	11	7	12
1912.....	50.2	83	18	4.39	1.6	15	10	7	13
1913.....	50.6	90	17	3.82	0.2	11	12	6	12
1914.....	47.3	93	5	4.66	1.1	14	10	8	12
1915.....	53.9	98	15	1.92	1.6	8	13	10	7
1916.....	48.0	87	16	3.65	5.6	14	9	9	12
1917.....	48.5	87	14	2.08	2.6	9	11	10	9
1918.....	48.2	81	12	4.53	10.8	14	10	9	11
1919.....	48.5	90	6	2.70	1.2	11	10	10	10
1920.....	46.0	87	8	4.39	3.0	16	9	9	12
1921.....	55.3	96	10	3.11	0.8	11	13	7	10
1922.....	50.1	91	11	3.17	0.4	12	12	9	9
1923.....	48.3	89	—5	2.94	1.9	9	14	8	8
1924.....	46.5	82	6	4.15	7.4	12	13	7	10
1925.....	51.3	96	9	2.32	0.5	10	15	7	8
1926.....	44.9	84	9	2.03	0.9	9	12	9	9
1927.....	47.7	92	17	3.52	1.0	13	12	7	11
1928.....	46.0	88	11	5.50	6.5	13	12	8	10
1929.....	51.4	94	19	6.12	1.1	15	9	8	13
1930.....	48.2	92	9	2.71	1.1	10	11	8	11
1931.....	48.4	85	16	3.33	2.3	10	14	6	10
1932.....	47.0	86	14	1.71	1.2	8	14	6	10
1933.....	50.9	89	15	4.49	0.5	13	12	8	10
1934.....	48.9	86	14	3.06	0.6	11	13	8	9
1935.....	47.1	91	12	2.56	2.9	11	11	7	12
1936.....	46.1	90	14	3.01	1.3	14	8	8	14
1937.....	47.7	89	19	5.53	0.2	14	9	8	13
1938.....	51.3	92	11	2.85	3.5	10	13	7	10
1939.....	46.7	90	9	3.70	1.0	15	7	9	14
Period.....	48.6	98	—5	3.43	2.2	11	11	8	11

Climatological Data for April, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days			Prevailing direction of wind	Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear			Pt. cloudy	Cloudy	
Atlantic Drainage.	Allentown	Lehigh	254	27	45.6	-3.0	84	25	28	12	32	4.05	+0.34	1.41	T.	14	15	14	1	ne.	John A. Frick.
	Altoona	Blair	1,615	52	44.8	-3.0	83*	24†	19	8	46*	3.70	+0.18	0.85	T.	16	10	12	8	w.	John J. Martin.
	Ardmore	Montgomery	350	19	46.4	-3.8	84	25	24	13	31	6.49	+2.66	2.01	0.2	14	4	14	12	nw.	H. L. Balderston.
	Arendtsville	Adams	700	17	48.4	-0.6	89	25	25	8	40	4.58	+1.03	0.99	T.	15	13	6	11	nw.	Harold J. Miller.
	Bedford	Bedford	1,060	7	48.4*	.....	86*	25	22	7	41*	4.26	.....	0.85	T.	13	5	6	19	nw.	Charles C. Lee.
	Bethlehem	Northampton	364	54	49.3	-2.1	83	25	27	13	34	3.87	+0.37	1.25	T.	14	10	6	14	nw.	Lehigh University.
	Bloomsburg	Columbia	500	13	47.4	.....	81	24†	23	8	39	3.27	.....	0.96	T.	16	8	15	7	nw.	Bloomsburg Water Co.
	Carlisle	Cumberland	467	73	49.4	-2.6	87	25	25	8	43	4.46	+1.10	0.81	T.	18	13	5	12	nw.	Prof. C. E. Miller.
	Chambersburg	Franklin	580	40	49.8	-0.5	87	25	26	8	41	3.72	+0.48	0.90	0.1	13	5	10	15	sw.	William B. Spear.
	Clearfield	Clearfield	1,120	32	45.4*	-2.2	78*	24	20*	18	42*	2.02	-1.57	0.46	T.	14	8	4	18	sw.	Otto J. W. Eppers.
	Coatesville	Chester	380	52	47.6	-2.8	86	25	26	13	34	4.88	+1.12	1.52	T.	17	7	5	18	nw.	Howard L. Pyle.
	Colebrook	Lebanon	560	28	47.2	-1.5	83	25	26	8†	39	3.93	+0.23	1.02	0.2	17	9	8	13	w.	Wm. A. Korer.
	Emporium	Cameron	1,050	52	45.4	-1.3	86	24†	15	9	51	2.27	-1.42	0.51	.....	10	11	0	19	w.	E. M. Poorman.
	Ephrata	Lancaster	380	47	49.6	-0.7	85	24†	27	13	41	3.64	+0.44	1.24	T.	14	7	8	15	ne.	Ira J. Keath.
	Freeland	Luzerne	1,970	46	42.0	-2.3	80	25	18	4†	36	4.45	-0.13	0.95	1.0	16	1	4	25	w.	Andrew B. Evansha.
	George School	Bucks	190	33	49.0*	-1.2	83*	26	27*	13	36*	4.88	+1.26	1.86	0.3	16	10	6	14	nw.	Prof. N. W. Swayne.
	Gettysburg	Adams	553	66	50.6	-0.2	88	25	28	5†	39	4.66	+1.03	0.90	T.	17	13	4	13	nw.	Dr. Henry Stewart.
	Gordon	Schuylkill	840	35	45.4	-2.2	83	25	20	8	44	4.37	+0.17	0.86	1.0	13	10	7	13	w.	Miss Sallie M. Johnson.
	Gouldsboro	Wayne	1,875	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Ronald H. Marshall.
	Hanover	York	600	35	50.2	-2.2	87	25	27	5†	35	5.27	+1.94	1.19	T.	18	13	1	16	s.	Thomas Y. Cooper.
	Harrisburg	Dauphin	337	70	48.6	-2.3	86	25	28	13	39	2.79	+0.10	0.63	T.	15	2	12	16	nw.	U. S. Weather Bureau.
	Hawley	Wayne	900	21	43.8	-1.6	85	25	20	8	42	3.88	+0.66	0.87	2.9	15	10	8	12	w.	Mrs. Della M. Pennell.
	Holtwood	Lancaster	200	24	49.0	-2.3	85	25	32	5†	33	3.71	+0.87	1.00	T.	13	9	6	15	nw.	H. W. Lowy, C. E.
	Huntingdon	Huntingdon	650	52	46.9*	-2.5	85*	24†	19	7	45*	3.17	-0.32	0.50	T.	15	6	9	15	w.	Prof. Paul R. Yoder.
	Kyertown	Clearfield	1,694	10	43.4	-1.4	79	24†	19	8†	35	1.82	-1.20	0.35	0.8	18	2	5	23	w.	U. S. Weather Bureau.
Lancaster	Lancaster	255	62	48.7	-0.6	88	25	22	3	43	3.98	+0.72	1.09	0.1	17	10	9	11	nw.	Sup't. of Water Works.	
Lawrenceville	Tioga	1,000	42	45.4	-0.6	87	25	10	9	44	1.28	-1.70	0.28	3.5	8	6	12	12	.....	C. P. Darling.	
Lebanon	Lebanon	469	55	47.7	-2.6	86	25	27	13	41	3.82	+0.33	0.94	T.	18	11	9	10	w.	Lebanon Valley Gas	
Lewistown	Mifflin	500	1	50.0	.....	85	24†	22	12	49	2.77	.....	0.65	T.	12	3	2	25	ne.	Penna. Edison Co.	
Lock Haven	Clinton	580	49	48.6	-1.8	86	25	21	8	43	3.76	+0.18	1.02	T.	14	3	15	12	ne.	Joseph Beaver.	
Marcus Hook	Delaware	50	13	53.8*	-0.8	87*	24	31†	12	32*	6.50	+2.90	1.90	T.	16	16	2	12	w.	Sun Oil Co.	
Montrose	Susquehanna	1,620	34	42.0	-1.9	81	25	18	13	38	2.63	-0.59	0.46	1.0	14	2	10	18	nw.	Philip F. Chamberlain.	
Mt. Pocono	Monroe	1,720	33	39.5	-2.8	82	25	16	4	30	5.69	+2.05	1.20	4.0	14	5	5	20	nw.	Cecil J. Hoskinson.	
Muncy Valley	Sullivan	1,045	27	43.5	-3.3	79	23	19	8†	46	4.05	+0.19	0.81	T.	12	13	12	5	w.	H. O. Hacker.	
Neshaminy Falls	Bucks	60	50	47.8	-1.5	88	25	19	6	38	6.45	+2.70	2.00	0	16	10	5	15	s.	Philadelphia Sub. Water Co.	
New Bloomfield	Perry	679	1	47.2	.....	85	25	22	8	46	3.85	.....	0.57	0.5	17	9	10	11	w.	J. Earl Sneader.	
Palmerton	Carbon	398	21	45.8	-1.5	84	25	26	8†	41	3.64	+0.40	1.00	T.	12	6	14	10	nw.	New Jersey Zinc Co.	
Philadelphia	Philadelphia	25	68	50.4	-1.7	85	25	29	13	28	6.40	+3.35	1.76	T.	15	4	14	12	nw.	U. S. Weather Bureau	
Phila. Navy Yard	Philadelphia	20	23	49.6	-1.8	86	25	30	13	31	6.83	+3.50	2.05	T.	14	7	7	16	w.	Navy Aerological Office	
Phoenixville	Chester	100	29	50.1	-1.6	85	25	25	13	42	4.25	+0.73	1.04	0.4	13	8	15	7	nw.	Philadelphia Sub. Water Co.	
Port Clinton	Schuylkill	407	1	48.0	-1.6	84	25†	25	8	41	4.49	+0.35	1.41	T.	13	12	3	15	n.	E. E. Rarick.	
Quakertown	Bucks	496	54	47.2	-1.3	84	25	26	9†	37	4.82	+0.76	1.54	T.	16	9	11	10	w.	John E. Benner.	
Reading	Berks	273	69	49.0	-1.3	84	25	28	13	30	3.27	0.00	1.40	0.1	16	4	13	13	nw.	U. S. Weather Bureau.	
Scranton	Lackawanna	746	45	45.8	-2.3	84	25	25	12†	38	3.30	+0.53	0.70	0.5	18	1	11	18	nw.	U. S. Weather Bureau.	
Selinsgrove	Snyder	455	49	48.2	-1.2	83	25	24	8	43	3.15	-0.52	0.53	0.5	15	6	16	8	w.	Dr. George E. Fisher.	
Shawmont	Philadelphia	51	43	50.4	-1.6	85	25	29	13	34	5.50	+2.17	1.86	0.5	16	4	10	16	nw.	W. S. Guiles.	
Shippensburg	Cumberland	660	6	48.3	.....	80	24†	26	8†	34	5.13	.....	0.98	T.	15	6	5	19	sw.	State Teachers College	
State College	Center	1,217	55	45.9	-1.6	83	25	21	8†	35	3.70	+0.10	0.52	0.5	18	3	17	10	sw.	C. A. Kern.	
Stroudsburg	Monroe	500	25	45.7	-2.3	90	25	22	6†	44	3.60	+0.03	1.65	T.	11	10	10	10	ne.	State Teachers College	
Towanda	Bradford	754	45	45.4	-1.0	87	25	22	8	46	1.88	-1.21	0.24	2.6	16	6	8	16	ne.	Mrs. M. Ordella Parks.	
Wellsville	Tioga	1,419	69	43.7	-0.9	81	25	11	9	43	1.56	-1.50	0.34	1.3	9	16	5	9	n.	George W. Hill.	
West Chester	Chester	455	90	49.0	-0.8	86	25	26	13	34	5.43	+1.69	1.67	1.0	16	13	7	10	nw.	Harlan Saylor.	
Wilkes-Barre (Airport)	Luzerne	514	1	46.6	.....	84	25	24	8	38	2.98	+0.05	0.52	T.	15	4	12	14	w.	U. S. Airways Station.	
Williamsport	Lycoming	521	53	47.4	-1.6	86	25	22	8	42	2.70	-0.94	0.52	0.5	16	7	7	16	w.	Mrs. Ralph F. Keller.	
Williamstown	Dauphin	1,275	24	46.4	-3.1	82	25	21	13	34	3.83	+0.35	0.80	T.	14	4	8	18	nw.	Susquehanna Collieries Co.	
York	York	400	51	49.5	-1.5	86	25	26	5	43	4.12	+0.93	1.02	0	18	12	7	11	w.	York Water Co.	
Ohio Drainage.	Brookville	Jefferson	1,173	49	39.8	-5.0	81	25	14	8	48	3.07	+0.17	0.53	3.2	17	7	2	21	nw.	Frank S. Fawcett.
	Butler	Butler	1,077	26	46.8	-1.0	82	24	19	5	45	3.10	-0.27	1.62	2.7	10	8	21	1	nw.	William C. Faust.
	Chambersville	Indiana	1,047	38	47.4	-1.8	83	24	18	8	45	3.40	-0.48	0.63	2.0	14	8	7	15	w.	John E. Lewis.
	Clairton	Allegheny	1,020	7	46.2	.....	80	24	24	5†	36	3.21	.....	0.58	0.5	17	5	7	18	s.	Carnegie-Illinois Steel Corp
	Claysville	Washington	1,150	34	47.0	-3.6	80	24	18	5	40	4.11	+0.72	1.02	2.0	19	13	7	10	n.	J. L. Melvin.
	Corry	Erie	1,430	26	41.8	-2.8	81	25	9	9	46	3.23	-0.39	1.00	3.2	10	11	8	11	w.	Ass'd Gas & Electric Co.
	Coudersport	Potter	1,665	12	42.6	-1.5	85	25	12	9	45	3.05	-0.55	0.54	2.5	13	9	8	13	nw.	Philip R. Shaw.
	Derry	Westmoreland	1,172	42	48.0	-1.4	81	24	22	5	40	4.73	+1.00	0.86	0.5	20	10	11	9	w.	Ted R. Wineman.
	Donora	Washington	762	13	50.2	-1.4	83	25	18	5	38	4.41	+0.68	0.75	T.	17	4	8	18	w.	Am. Steel & Wire Co.
	Ebensburg																				

Daily Precipitation for April, 1939

Stations	Drainage Basin	Day of month																														Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31
Atlantic Drainage																																	
Allentown ²	Lehigh	.54					1.41	T.		.02	.06	.02	.49		.03		.21	.86	.05	.11		.16					T.	.08		.01			4.05
Altoona	Juniata	.12	.09				.44		T.	.12	.20				.07	.05	.36	.85	.23	.05		*	*				.15			.25	.72		3.70
Ansonia ²	W. Br. Susq.	.46					.24	T.	.08	.05	T.	.02	T.	T.	.24		T.	.06	.24			T.								.11			1.50
Ardmore ³	Lower Del.	.60	.17			2.01			.09	.06	.20	T.			T.	.30	.22	.58	.72		T.	.07				1.16	T.	.02		.29			6.49
Arendtsville ²	Lower Susq.	.39				.06	.99		T.	.13		.36	T.		T.	.99	.78	.01	.02		.18						.05	.31	.11	.18	.02		4.58
Baker's Summit	Juniata	.19	.10			.48			.53	.38					.06	.03	.30	.49	.40	.12		.10	.07			.13	.03	.42	.19	.46			4.48
Bald Eagle ¹	Middle Susq.	.42				.40									.08	.10	.41	.48	.19	.04								.05	.11	.26			5
Bedford	Juniata	.31	T.			.05	.50		T.	.34		.49	T.		.08		.85	.25	.13			.26					.40	.55	.10				4.26
Bellefonte	W. Br. Susq.	.36	.04			.30			T.	.03	.23	.03	T.	.03	.04	.31	.36	.21	.18			.26	.07				.02	.12		.11	.15		2.85
Berwindale ¹	W. Br. Susq.	.39	.01			.39			.10	.08	.05			.20	.21	.34	.09	.03											.20	.35			2.47
Bethlehem	Lehigh	.03	.55			.90	.35		T.	.08	T.	.39			T.	.03	T.	.21	.93	.12			.16				.07	.04	.01				3.87
Bloomsburg	Susquehanna	.11	.44			.47			.04	.05	.96	T.		.05	.03	.25	.15		.17		.15						.01	.12		.10	.17		3.27
Blosserville	Lower Susq.	.35				.75		.04			.35				T.	2.00	.35	.15	.25		T.					.22	.85		.28				5.59
Bluffsville	Potomac	.23				.10	.42			.30		.23				.08	.75	.23	.17			.19				.52		.49	.13				3.84
Buffalo Mills ²	Potomac	.12	.22			.81			.05	.08	.17	.48			.04		.52	.55	.21	.04	T.	T.	.22			.12	.47	.03	.13	.20			4.46
Carlisle	Lower Susq.	.56				.31		.09	.03	.09			.03	.14	.48	.04	.13	.17	.11							.49		.17	.08				2.95
Center Camp	W. Br. Susq.	.34	.18			.56			.12		.12	.04				.48					.02	.12					.13		.12	.18			3.05
Center Hall	Susquehanna	.28				.09	.81		.01	.17		.51	T.	T.		.05	.87	.21	.01	T.		.28					.06		.37	T.			3.72
Chambersburg ²	Potomac	.24	.24			.46			T.	.15	.05	.07		.07	.30		.09	.35	.05			.01				.04	.04		.10				2.02
Clearfield ²	W. Br. Susq.	.55	.18		T.	1.52			.01	.05	.16	.07		.03		.30	.62	.20	.31		.07					.71	.01	.05		.04			4.88
Coatesville	Lower Del.	.20	.24			1.02			.02	.01	.48	.16		.01	T.	.24	.72	.07	.01		.31					.14	.11	T.	.05	.11			3.93
Colebrook	Lower Susq.	T.	.75			1.77	.07		.09	.06		.39		T.	T.	.04	.39	.49	.55		T.	.04				.69	.02	.04					5.39
Conshohocken	Schuylkill	.40				.30			.10	.05		.10	.05			.20			.18	.11		.15					.05		.10				1.79
Covington ²	N. Br. Susq.	.08	.53			1.33	.38		T.	.05		.22			T.	T.	.28	.58	.48			T.				.17	.02	.03		.05			4.20
Doylestown	Lower Del.	.30				.37		.05		.13		.06	.02	.13	.12	.16		.19	.21	.08						.42			.09	.13			2.25
Driftwood ¹	W. Br. Susq.	.33	.16	T.		.07	T.		.03	.17	.04	.06	.02	.13	.12	.16		.18	.10	.07		.06	T.			T.	.06	T.	.05	.05			2.26
Du Bois	Middle Susq.	* .16				.06	.53		.07	.08		.66	.02		.02		.43	.25	.24	.02		.36				.04	.09	.20	.20				3.44
East Waterford ²	W. Br. Susq.	.60				.40			.31						.51			.15		.09						.16	.11		.08				2.27
Emporium	W. Br. Susq.	.07	.27			1.24	T.		T.	.03	.22	.24		.11	.12		.29	.06	.04		.29					.08			.11				2.15
English Center ¹	Lower Susq.	.60				.25		.08		.04	.08				.12	.39	.26	.26			.22					.30	.01	.01					3.64
Ephrata	Schuylkill	.07	.27		T.	1.62			.02	.06		.45			.02	.01	.27	.70	.05	.05		.17				.08	.01	T.	.12				4.21
Fredericksburg ²	Lehigh	.84	.50	T.	T.		.40		.05	.03	.03	.95			.13		.14	.14	.42	.02		.47				.15	.05	.13	T.				4.45
Freeland ²	N. Br. Susq.	.28	.04	T.	T.		.25	T.	.05	.02	.06	.02			.20		.06	.05	T.		T.	.02				T.		.09	.02				1.16
Galeton	Lower Del.	.01	.75			1.35	.51		.08	.07		.27		T.		.02	.30	.67	.07		.05					.40	.04	.26		.03			4.88
George School	N. Br. Susq.	.20	.06			.90			.01	.07	.01	.46		T.		.40	.90	.26	.09		.19					.37	.45	.01	.20	.08			4.66
Gettysburg	Potomac	.20	.06			.90			.10	.11	.78	T.	T.	.10	.01	.27	.36	.24			.37					.06			.11	.12			5.02
Girardville ²	Lower Susq.	1.69			T.		.70		.10	.11	.78	T.	T.	.10	.01	.27	.36	.24			.37					T.	.08			.25			4.37
Gordon	Lower Susq.	.30	.86			.64			.07		.09	.65			.12		.53	.11	.33			.34											
Gouldsboro ²	Lehigh																																
Graterford	Schuylkill	.73				1.17	.06		T.	.02		T.		.03		.21	.54	.63			.08					.17	.06	.14	.01				3.85
Hanover	Lower Susq.	.10	.05			.94	.02		.03	.11	.03	.52		T.	T.	.43	.56	.34	.06		.34					.95	.67	.01	.09	.02			5.27
Harrisburg ¹	Lower Susq.	.38				.63		T.	.03	.04	.44	T.		T.	T.	.31	.30	.06	.02		.10	.10				.10	.18	T.	.09	.01			2.79
Hawley ²	Upper Del.	.61	T.	.01	T.	.46			.02	.05	T.	.77	.10		.24	T.		.13	.25	.03		.43				.01	T.	.76	.01				3.88
Holl. steryle ²	Upper Del.	.70	T.	.04		.55			.05	.03		.77	.06		.33		.16				.88								.46	.01			4.04
Holtwood ²	Lower Susq.	.16				T.	1.00		.10			.33	T.		.01	T.	.55	.59	.07	T.		.25				.30	.31	.01	.63				3.71
Huntingdon	Juniata	.25				.47			.05		.20	.21		.03		.26	.50	.02			.23	.13				.07	.22		.15	.38			3.17
Huntsdale ¹	Lower Susq.	.37				.65			.05	.37					.67	.46	.10	.06			.20					.10	.01	.18	.05				3.33
Hyndman ²	Potomac	T.	.26	T.		.10	.43	T.	T.	.26	T.	.22	T.		T.	.20	.93	.27	.22		.12					.05	T.	.46	.08				3.60
Kylertown ²	W. Br. Susq.	.19	.06	T.	T.	.35	T.	T.	.05	.09	.02	.05	.01	T.	.19	.20	.25	.04	.01	.01	T.	.03				T.	.01	T.	.10	.16			1.82
Lakeville ²	Upper Del.	.02	.68		.02		.57	T.	.02	.04		.82	.04		.26		.15	.30			.44						T.	.54					3.90
Lancaster	Lower Susq.	.09	.24			1.09																											

Station	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Sellersville	Lower Del.	.54	.16								.07	.43			.06	.02	.22	.56	.39	.16									.10					4.69
Shade Gap	Middle Susq.	.19					.53		.09		.10	.72				.66	.19	.15				.43							.08	.52	.09	.22	.51	4.48
Shawmont	Schuylkill	T.	.63				1.36	.52			.04	.08		.12		.02	.01	.40	.62	.68				.06					.84	.08	.04	T.		5.50
Shippensburg	Lower Susq.	.21	.09				.90				.03	.18	.15	T.		.98	.72	.27	.32				.83						.15	.37	.31	.12		5.13
State College	W. Br. Susq.	.34	.10	T.	T.		.47	T.	T.	.08	.07	.11	.25	T.	.03	.18	.20	.52	.40	.12		.24	.09						T.	.19	.16	.15		3.70
Stroudsburg	Upper Del.										.10				.10	.15	.25	.50	.40			.25	.25						*	.20	1.65		3.60	
Sunbury	Lower Susq.		.24	T.			T.	.43		.05	.03	T.	.91	T.		.07	T.	.31	.21	.02	.06			.60					T.	.03		.11		3.07
Susquehanna	N. Br. Susq.		.67	T.	.02		.63				T.	.03		.27	.16		.34		.01	.03	T.		.30								.03		.03	2.49
Towanda	N. Br. Susq.	.06	.34	T.	.01	T.	.20	T.	T.	.06	.05	.15	.17	T.	.05	.25		.11	T.	.06		T.	.23						T.	T.	.05	.06	.03	1.80
Welkert	Lower Susq.	.60					.40	.05				.10	.45			.20	.33	.20	.10										.10			.27		2.80
Wellsboro	N. Br. Susq.		.34	T.				.34		.10	.06		T.			.34		.20	.18	.09			.03						T.		.08			1.56
Ohio Drainage																																		
Wernersville	Schuylkill		.51				1.46			T.	.08	.01	.54		T.		.28	.56	.50				.33	.13						.04	.01			4.45
West Chester	Lower Del.	.15	.67				1.67	.03		.11	.08	T.	.14		.02	T.	.13	.46	.27	.32		.02							1.33	.01	.02			5.43
Westgrove	Lower Del.		.48				T.	1.73		.03	.12		.12				.60	.24	.08	.42		.05							1.03	.24	T.			5.14
Wilkes-Barre	N. Br. Susq.	.04	.52	T.	T.		.52			.03	T.	.50	.23	T.	.01	.13		.09	.04	.35		.23							T.	T.	.10	.02	.17	2.98
Wilkes-Barre	N. Br. Susq.		.55	T.	T.	.02	.60			.03	T.	T.	.75	.04		.17	T.	.04	.07	.29	.03		.23						T.	T.		.06		2.88
Williamsport	W. Br. Susq.	.02	.52	T.	T.	T.	.34			.05	.04	.02	.32	T.		.24	.01	.16	.25	.19	.01		.35						T.	.06		.12		2.70
Williamstown	Lower Susq.	.25	.55	T.			.50			.10	.04	T.	.75	T.		.15		.53	.12	.27		.32							.10	.04	T.	.11		4.12
York	Lower Susq.	.08	.11				1.02	.03		.02	.15	.12	.41				.32	.64	.37	.06		.30							.20</					

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First-order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ** Precipitation for period, 7:30 p. m. to 7:30 p. m. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. ‡ Daily amounts inconsistent. Post Office addresses are as follows: of Blossville, Newville; of Acmetonia, Barking; of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Lock No. 5, Schenley. § Airways Station. † River Station. ||| Formerly Dahoga and Kane (near).

Daily Temperatures for April, 1939

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Aitona.....	Maximum.....	45	45	42	38	53	50	38	47	49	65	63	42	46	48	58	37	50	55	60	60	71	83	83	73	73	67	63	63	63	56.0*	
Aitona.....	Minimum.....	31	31	29	26	23	37	26	19	23	31	40	23	21	27	42	35	37	41	39	31	31	37	37	37	37	34	42	41	42	33.5	
Bedford.....	Maximum.....	51	47	47	41	57	55	46	54	48	68	68	46	46	48	58	52	40	54	41	39	42	32	60	54	60	53	45	41	41	58.5*	
Bedford.....	Minimum.....	35	33	32	30	23	41	22	36	25	43	46	26	25	26	42	37	36	39	45	41	39	42	32	60	54	60	53	45	41	38.5	
Bethlehem.....	Maximum.....	55	49	45	41	55	55	46	45	44	57	73	65	51	52	57	55	49	53	54	69	65	69	79	83	80	77	76	63	63	59.1	
Bethlehem.....	Minimum.....	35	38	36	32	32	40	32	29	31	37	40	38	27	33	42	35	37	37	42	42	30	48	43	49	66	50	48	42	46	39.5	
Bloomsburg.....	Maximum.....	55	49	43	39	51	51	47	47	43	61	66	51	51	51	54	56	46	60	57	55	65	64	72	81	81	80	76	75	61	61	58.3
Bloomsburg.....	Minimum.....	34	37	33	29	29	36	31	23	25	32	44	29	25	25	35	31	38	38	47	41	30	44	33	42	48	58	55	45	40	37	36.5
Brookville.....	Maximum.....	33	41	33	37	52	28	32	26	40	63	55	40	32	44	53	40	43	43	50	41	64	50	45	80	81	78	73	67	62	47	49.1
Brookville.....	Minimum.....	26	31	26	26	18	25	24	14	18	21	40	32	22	28	27	26	34	38	38	38	28	38	25	32	40	48	52	34	34	35	20.6
Butler.....	Maximum.....	47	47	45	45	51	50	50	47	65	62	41	47	41	53	54	54	67	66	50	73	63	75	82	81	80	73	69	67	61	61	58.5
Butler.....	Minimum.....	31	30	29	27	19	38	29	24	20	29	37	24	23	26	37	37	38	42	40	40	35	43	80	50	42	55	52	51	41	33	35.1
Carlisle.....	Maximum.....	56	49	47	45	59	54	49	52	50	70	67	56	57	54	64	55	40	53	58	58	66	70	77	85	87	82	75	70	63	63	61.1
Carlisle.....	Minimum.....	33	37	35	30	30	41	32	25	28	38	43	32	27	27	40	37	37	38	48	35	31	45	34	44	50	52	53	48	41	41	37.7
Chambersburg.....	Maximum.....	55	50	46	46	57	51	48	51	51	64	67	52	51	56	64	58	41	59	60	57	72	62	77	85	87	82	78	70	60	57	60.5
Chambersburg.....	Minimum.....	35	35	36	32	28	42	32	26	27	52	30	28	29	43	40	37	37	47	38	35	45	36	44	53	60	56	49	41	45	45	39.2
Chambersville.....	Maximum.....	55	47	46	42	53	54	40	52	48	71	75	48	47	46	54	58	52	71	62	49	68	65	73	83	82	80	73	73	70	60	59.9
Chambersville.....	Minimum.....	34	31	29	26	19	34	24	18	22	36	40	25	23	24	40	36	38	40	40	40	35	42	31	38	49	58	52	39	42	38	34.8
Claysville.....	Maximum.....	49	49	48	46	53	52	35	45	51	75	74	41	48	48	52	53	65	66	60	53	64	59	72	80	78	76	78	70	62	58	58.7
Claysville.....	Minimum.....	37	27	27	26	18	32	24	22	25	41	39	25	24	25	43	41	41	42	38	38	35	42	34	40	43	58	54	40	40	37	35.3
Clearfield.....	Maximum.....	51	42	42	44	.....	.....	50	53	60	60	63	58	43	57	43	42	59	51	51	50	65	54	72	78	76	71	69	54	52	46	55.3*
Clearfield.....	Minimum.....	30	34	33	33	34	.....	20	25	39	38	34	28	28	43	33	40	41	42	42	42	35	45	30	38	38	38	38	38	38	40	35.5*
Coatesville.....	Maximum.....	55	48	44	45	53	53	50	46	48	66	77	53	51	57	60	50	42	63	59	59	66	61	71	80	86	83	67	64	53	50	58.0
Coatesville.....	Minimum.....	30	36	29	29	28	38	33	28	29	35	52	29	26	30	42	39	34	37	32	37	32	47	37	46	54	49	47	41	40	40	37.3
Corry.....	Maximum.....	55	42	40	37	54	51	39	42	39	53	52	37	43	40	46	55	50	60	51	53	63	52	73	80	81	78	67	64	59	59	53.8
Corry.....	Minimum.....	29	25	23	22	22	27	20	18	9	27	28	17	18	25	31	25	35	38	36	31	30	36	27	40	53	52	50	38	29	37	29.9
Coudersport.....	Maximum.....	54	42	35	33	55	50	35	48	40	48	61	38	46	41	53	57	45	62	52	48	62	54	72	80	85	80	75	65	61	56	54.4
Coudersport.....	Minimum.....	32	30	26	24	25	32	25	16	12	25	25	21	20	22	34	22	34	32	35	37	27	40	27	35	48	54	52	40	35	34	30.9
Donora.....	Maximum.....	54	52	49	47	55	49	39	53	52	80	67	42	50	51	55	50	60	70	53	56	67	59	75	82	83	78	76	72	66	53	59.8
Donora.....	Minimum.....	41	33	35	30	28	33	30	30	32	46	41	29	29	33	48	45	47	50	43	43	43	39	44	48	62	59	48	47	43	43	40.7
Ebensburg.....	Maximum.....	45	45	39	35	52	48	38	45	42	62	61	37	41	42	52	49	35	52	52	49	57	55	64	74	78	71	67	64	64	56	52.4
Ebensburg.....	Minimum.....	32	27	25	22	20	32	28	19	20	31	37	27	18	28	38	32	32	35	37	33	32	32	34	45	56	54	52	53	38	38	33.6
Emporium.....	Maximum.....	55	50	38	37	50	46	40	53	48	63	59	54	48	48	53	55	46	64	59	50	67	64	73	86	86	81	76	70	62	58	58.0
Emporium.....	Minimum.....	31	33	29	27	28	32	27	16	15	31	36	34	23	20	21	23	37	38	39	39	28	36	29	35	47	59	55	41	39	36	32.8
Ephrata.....	Maximum.....	54	49	45	46	58	51	49	49	49	70	74	56	54	55	63	56	43	57	57	59	70	60	76	85	85	78	75	68	63	62	60.5
Ephrata.....	Minimum.....	33	36	33	32	30	42	35	28	31	39	53	29	27	28	42	40	37	38	50	38	35	48	35	46	51	52	51	44	41	40	38.8
Erie.....	Maximum.....	57	38	38	34	47	47	33	40	37	42	39	38	41	46	46	44	52	62	49	41	63	48	63	80	72	69	62	49	54	51	49.7
Erie.....	Minimum.....	35	32	30	30	27	31	27	29	26	35	33	24	30	37	34	32	42	43	40	40	43	41	47	59	64	60	49	40	39	40	37.6
Franklin.....	Maximum.....	51	43	40	35	51	42	32	42	43	67	43	37	43	43	50	51	50	56	46	49	61	51	72	80	78	75	65	62	60	50	52.3
Franklin.....	Minimum.....	32	30	28	28	20	21	26	26	17	18	37	31	24	26	29	31	34	40	41	39	35	41	30	31	40	51	51	47	37	38	32.4
Freeland.....	Maximum.....	48	41	36	33	49	46	44	40	38	50	58	43	45	44	50	51	42	52	51	48	61	55	67	76	80	74	70	66	56	54	52.3
Freeland.....	Minimum.....	30	26	26	18	25	24	23	23	29	29	19	18	29	36	28	27	29	43	36	34	40	39	44	44	49	49	38	35	38	38	31.8
George School.....	Maximum.....	58	51	46	46	54	55	56	50	49	63	75	61	56	59	63	52	44	52	60	61	69	65	75	78	.....	83	73	70	57	59	60.0*
George School.....	Minimum.....	35	38	31	28	28	38	33	29	30	38	45	38	27	33	43	37	37	39	48	38	35	48	39	47	.....	49	42	41	37	37	37.9*
Gettysburg.....	Maximum.....	56	51	49	45	56	52	49	50	52	70	74	58	51	54	62	61	41	54	56	61	69	65	76	85	88	82	72	68	58	58	60.9
Gettysburg.....	Minimum.....	34	36	37	33	28	42	33	28	38	58	36	28	31	45	40	36	38	41	35	46	47	35	46	54	60	54	48	40	43	40	40.4
Gordon.....	Maximum.....	53	45	41	40	52	48	46	46	41	59	64	55	51	50	55	50	43	54	56	52	65	59	72	81	83	76	71	60	55	56	56.6
Gordon.....	Minimum.....	30	35	29	29	30	39	31	20	25	32	41	31	24	22	39	26	35	35	41	32	28	41	28	40	44	53	52	44	38	33	34.2
Greensburg.....	Maximum.....	53	45	42	43	52	49	34	49	46	73	73	39	48	47	50	49	55	69	60	51	64	60	71	80	79	74	71	68	68	58	57.3
Greensburg.....	Minimum.....	37	29	29	27	23	34	26	25	25	39	39	24	23	30	45	40	40	42	40	38	36	41	38	43	51	59	57	45	43	38	36.9
Greenville																																

Daily Temperatures for April, 1939—(continued)

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum....	51	50	45	43	52	52	48	44	44	58	67	64	64	52	57	58	50	51	57	54	64	65	72	81	84	84	74	77	62	63	59.6
	Minimum....	31	38	29	28	33	38	33	25	29	36	40	37	27	26	41	31	36	37	49	34	29	43	31	42	47	52	50	43	40	37	36.4
Quakertown.....	Maximum....	55	48	44	42	52	52	49	43	45	56	73	59	51	54	58	53	44	51	54	58	67	64	70	78	84	78	73	71	59	58	58.1
	Minimum....	30	30	30	30	27	36	31	27	26	36	37	35	26	32	41	32	36	37	48	35	32	45	33	43	52	50	49	41	41	39	36.2
Reading*.....	Maximum....	55	48	43	42	56	50	45	48	46	63	74	48	51	56	59	50	43	53	57	55	66	58	72	81	84	74	75	61	61	57	57.7
	Minimum....	39	38	37	32	34	40	33	30	32	38	44	29	28	37	43	37	36	40	48	43	38	49	44	51	63	51	50	43	42	40	40.3
Retreat.....	Maximum....	54	47	46	40	52	50	54	48	45	58	64	46	50	48	58	57	43	62	55	54	67	63	73	80	84	77	75	73	61	60	58.1
	Minimum....	30	30	36	26	26	33	30	21	24	30	38	25	23	25	37	26	36	36	46	34	30	40	31	40	46	52	53	42	38	37	34.0
Ridgway†.....	Maximum....	36	55	40	37	35	54	44	36	48	40	64	54	34	44	46	53	49	41	65	48	48	63	48	72	82	83	81	74	65	62	53.4
	Minimum....	30	31	27	25	18	24	25	15	9	15	38	31	21	19	26	23	32	37	38	37	28	40	25	29	32	52	52	38	34	34	29.7
Scranton*.....	Maximum....	52	43	37	34	48	48	41	47	41	58	64	44	46	48	48	59	44	65	54	52	66	54	70	80	84	68	75	60	59	56	54.8
	Minimum....	36	34	32	28	31	36	29	26	28	32	35	25	25	32	38	30	38	37	45	41	35	45	40	42	51	54	54	41	41	40	36.7
Selinsgrove.....	Maximum....	54	48	43	45	52	52	48	48	48	63	64	51	48	51	58	55	44	55	55	55	65	62	73	82	83	76	75	74	76	75	59.3
	Minimum....	33	36	34	29	27	41	32	24	25	37	51	27	26	30	33	31	32	39	47	39	30	43	30	43	50	51	54	48	46	42	37.0
Somerset.....	Maximum....	49	46	42	40	54	50	33	46	44	70	68	39	41	47	51	46	38	55	52	51	57	54	66	74	79	72	68	63	60	56	53.7
	Minimum....	35	27	25	24	21	32	24	17	18	35	37	21	19	24	43	36	34	36	39	37	31	40	26	30	45	53	52	37	39	33	32.3
Springs.....	Maximum....	45	42	41	38	53	41	31	46	44	73	63	35	40	46	50	44	37	60	48	50	58	50	66	76	76	66	65	63	53	46	51.6
	Minimum....	30	27	26	23	18	29	24	15	22	33	34	20	20	21	43	34	33	35	37	37	30	36	27	34	50	54	53	40	37	33	31.8
State College.....	Maximum....	51	45	39	37	53	46	40	49	43	63	61	48	46	46	59	48	40	56	54	48	62	54	71	81	83	78	75	66	61	52	55.2
	Minimum....	32	32	30	26	25	37	27	21	21	33	41	33	22	29	41	33	35	37	42	40	31	42	36	47	61	61	57	46	41	38	36.6
Stroudsburg†.....	Maximum....	51	49	42	53	47	41	49	39	46	41	55	47	41	52	49	62	51	47	55	59	61	56	73	69	90	67	81	74	69	61	55.9
	Minimum....	35	33	30	28	22	32	33	22	31	30	35	33	36	41	43	25	29	42	45	31	33	39	36	37	46	46	51	45	37	39	35.5
Towanda.....	Maximum....	56	44	38	35	50	44	42	50	42	55	62	45	48	48	51	55	46	67	58	53	65	57	72	83	87	76	77	68	60	57	56.4
	Minimum....	33	34	31	27	27	35	28	22	23	25	33	24	24	25	38	25	37	37	45	40	30	44	32	37	44	57	57	44	41	31	34.3
Uniontown.....	Maximum....	53	51	51	49	57	54	41	54	51	77	76	41	50	51	52	50	54	72	64	56	67	61	75	83	84	75	74	71	66	58	60.6
	Minimum....	36	30	32	29	22	35	28	24	28	44	41	31	27	29	46	43	43	45	41	37	45	33	38	45	59	56	43	44	37	37	37.8
Vandergrift*.....	Maximum....	55	51	48	44	58	45	47	53	45	76	70	46	51	49	58	52	58	72	56	53	76	60	77	85	83	79	77	74	66	54	60.6
	Minimum....	35	34	32	23	29	30	28	25	26	40	40	28	29	28	46	40	42	44	42	37	36	38	33	53	46	59	51	48	42	38	37.4
Warren.....	Maximum....	53	40	38	34	55	46	34	42	40	55	55	36	43	41	47	54	47	62	49	51	63	47	71	80	83	78	70	60	69	53	52.9
	Minimum....	34	30	27	26	26	32	25	23	16	32	34	23	22	25	37	27	39	42	37	38	33	36	30	40	49	55	56	42	35	37	33.6
Waynesburg.....	Maximum....	49	49	48	46	54	45	36	51	51	77	76	40	48	49	53	48	67	68	57	53	65	62	73	80	80	73	72	68	64	58	58.7
	Minimum....	38	30	30	28	22	34	27	24	29	43	39	25	28	27	45	44	43	44	39	41	35	44	32	40	45	56	55	43	43	41	37.1
Wellsboro.....	Maximum....	55	43	35	34	51	45	40	48	40	54	59	42	44	45	50	55	50	59	56	51	61	54	71	70	81	79	75	62	59	55	54.2
	Minimum....	31	32	29	26	28	33	27	19	11	27	39	24	23	25	37	23	36	37	41	39	27	39	80	36	38	57	57	44	40	40	33.2
West Chester.....	Maximum....	58	47	45	44	54	53	52	46	50	68	76	59	53	55	58	54	41	53	62	58	68	62	72	78	86	76	71	60	59	56	59.1
	Minimum....	33	38	32	30	28	40	34	30	30	38	56	31	26	29	44	40	36	39	41	38	39	49	38	49	59	50	49	42	41	39	38.9
Wilkes-Barre.....	Maximum....	53	43	41	38	49	48	44	48	44	58	65	46	50	48	52	59	44	64	56	51	67	60	72	80	84	72	76	70	61	55	56.7
	Minimum....	35	36	31	29	32	37	30	24	29	30	40	28	26	28	39	28	39	37	47	36	32	45	35	42	48	58	54	45	40	36	36.5
Williamsport.....	Maximum....	55	46	42	42	54	48	47	48	42	59	60	45	51	48	57	55	48	54	56	54	64	62	74	83	86	82	76	75	61	57	57.7
	Minimum....	35	38	34	30	31	40	32	22	24	32	40	28	26	26	39	23	38	38	47	44	31	43	32	42	49	59	56	49	42	41	37.2
Williamstown.....	Maximum....	45	56	47	40	52	53	45	46	49	58	63	56	50	48	56	56	43	48	53	54	66	60	74	78	82	80	72	71	56	61	57.3
	Minimum....	37	32	30	25	26	36	32	23	23	32	46	29	21	30	33	31	34	32	43	38	36	41	40	49	53	52	48	40	35	42	35.6
York.....	Maximum....	56	50	49	45	55	55	50	51	50	70	75	57	51	55	62	58	42	61	59	58	69	65	75	84	86	80	70	68	60	61	60.9
	Minimum....	32	37	29	31	26	43	35	27	29	36	57	36	28	27	43	42	37	39	50	33	32	42	33	41	46	56	53	46	42	35	38.1

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. *, †, °, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)				† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.
Erie.....	29.94	30.48	13	29.44	1	9.9	32	se.	17	72	70	74
Harrisburg.....	29.96	30.38	17	29.52	1	10.0	34	sw.	11	70	55	61
Philadelphia.....	29.96	30.40	17	29.48	2	13.4	40	s.	6	75	64	66
Pittsburgh.....	29.97	30.51	13	29.50	1	12.7	38	nw.	12	78	59	61
Reading.....	29.96	30.30	17	29.53	1	13.2	42	nw.	12	66	57	62
Scranton.....	29.94	30.36	17	29.49	2	7.4	28	nw.	12	74	58	61

* For any five-minute period.

† Corrected to true velocities

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.....	Delaware.....	5.2	6.9	3	4.0	30	18
Easton.....	Delaware.....	7.3	10.4	3	5.0	30	22
Lehighton.....	Lehigh.....	4.4	5.4	2	3.5	30	9
Wilkes-Barre.....	Susquehanna.....	9.2	14.1	1	6.1	30	22
Williamsport.....	Susquehanna.....	15.9	10.1	1	3.7	30	18
Harrisburg.....	Susquehanna.....	6.9	8.1	2	4.9	30	18
Greensboro.....	Monongahela.....	15.6	35.0	17	11.8	30	20
West Newton.....	Youghiogheny.....	3.8	11.2	17	1.6	30	20
Lock No. 4.....	Monongahela.....	16.6	32.6	17	12.8	30	30
Pittsburgh.....	Ohio.....		23.2	17	16.0*	10	25
Midland.....	Ohio.....		29.3	18	13.2*	24	30

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

G. S. BLISS.

PHILADELPHIA, PA.

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GENERAL SUMMARY.

The month opened with temperatures well below the normal, and on the 1st and 2d frosts occurred in nearly all parts of the State. They were generally light in the southeastern quarter with no damage of consequence reported. In the western and northern counties temperatures as low as 26 or 28 degrees occurred in many places. In those regions the vegetation was generally backward, and the resulting damage was moderate. Temperatures then rose well above the normal from the 5th to the 11th inclusive, and this was followed by another cool period from the 12th to the 18th with light frosts in many places. Tender vegetation such as tomatoes, peppers, and so forth, were nipped to some extent, but orchard fruits did not appear to be damaged. During the remainder of the month the temperatures ranged well above the normal, and the month closed as the fourth warmest May of record. The rainfall averaged about 40 per cent of the normal which made it the driest May of record in Pennsylvania. The month started with a good supply of surface water and with the soil fairly well saturated from a moderate excess of rain in April and heavier rains earlier in the year. The month closed with some regions getting very dry and crops beginning to suffer from lack of moisture. The rainfall was lightest in the lower Susquehanna Drainage Basin and in the southwestern counties in which it was generally less than one inch for the month. With high temperatures during the last ten days of the month, this dry condition of the soil was very detrimental. Corn planting was finished in the southern counties, but the top soil was too dry for proper germination. First plantings generally came up to fairly good stands and were being cultivated near the end of the month but the growth was slow. Winter wheat was mostly headed at the close of the month and looking good. It was in a condition to need rain for proper filling. Oats was up and apparently at a standstill for want of moisture with a prospect for very short straw. Rye was in bloom and beginning to fill. Pastures and meadows were needing rain badly, especially in the driest regions. Alfalfa was fair to good and the cutting of the first crop was getting under way as the month closed. Clover and timothy were short and thin with a prospect that the first cutting would be very light. Early potatoes were fair to good but beginning to need rain. Orchard fruits were mostly above the average at the end of the month. Apples were dropping from the trees, but apparently no more than is usual at that time of the year. Strawberries did not suffer so much from the last frost as was at first believed.

TEMPERATURE.

The mean temperature for the State, as deduced from the re-

ports of 90 stations, was 62.8°, which is 3.2° above the 52-year normal for May. The highest monthly mean was 69.4° at Marcus Hook, and the lowest was 56.2° at Mt. Pocono. Extremes of temperature ranged from a maximum of 99° at Marcus Hook on the 30th to a minimum of 20° at Brookville on the 4th. The greatest daily range in temperature was 57° at Towanda on the 19th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 171 stations, was 1.58 inches, which amount is 2.25 inches less than the 52-year normal for May. The greatest monthly amount was 3.66 inches at Morris Run, and the least was 0.21 inch at Lebanon and Marcus Hook. The greatest amount for any 24 consecutive hours was 2.20 inches at Phoenixville on the 23d.

Snowfall for the State averaged trace, which is normal for May.

COMPARATIVE DATA FOR MAY

UNIVERSITY OF ILLINOIS

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	57.3	91	24	4.24	T.	16	4	11	16
1889.....	60.4	96	25	5.91	0	11	11	9	11
1890.....	58.5	89	23	6.71	0	15	7	11	13
1891.....	57.3	93	20	2.12	0.2	8	10	10	11
1892.....	58.5	91	28	5.70	0	16	7	10	14
1893.....	57.9	93	26	5.54	0	12	11	8	12
1894.....	60.8	92	27	8.88	0	16	9	8	14
1895.....	60.6	102	22	2.68	0	9	13	10	8
1896.....	65.4	98	31	2.85	0	10	10	12	9
1897.....	57.7	88	25	5.24	T.	12	11	10	10
1898.....	60.0	94	22	5.11	0	15	8	9	14
1899.....	61.1	100	24	3.82	0	11	10	11	10
1900.....	60.4	96	20	2.79	T.	9	13	9	9
1901.....	58.9	91	28	5.56	0	15	8	9	14
1902.....	59.8	95	25	1.96	0	8	13	11	7
1903.....	61.8	94	18	1.67	0	7	16	9	6
1904.....	61.6	94	21	3.78	0	11	12	10	9
1905.....	60.8	93	22	2.59	0	12	11	9	11
1906.....	60.0	99	23	3.23	0	10	12	10	9
1907.....	54.8	91	19	3.08	0.1	11	11	9	11
1908.....	61.2	96	22	6.28	0.3	15	10	10	11
1909.....	59.2	92	23	2.90	0.1	10	12	10	9
1910.....	56.8	88	24	3.38	0	12	11	10	10
1911.....	65.2	99	20	1.97	0	7	17	10	4
1912.....	61.2	91	28	3.15	0	11	14	8	9
1913.....	58.5	93	21	3.86	0	10	13	8	10
1914.....	61.5	96	19	3.34	0	9	16	9	6
1915.....	56.2	84	21	4.16	0	14	10	8	13
1916.....	61.0	93	26	3.19	T.	13	12	11	8
1917.....	53.3	90	20	3.39	T.	13	9	10	12
1918.....	65.1	95	21	5.04	0	14	13	12	6
1919.....	59.5	98	27	5.80	0	14	13	7	11
1920.....	56.6	92	18	2.02	0	8	17	8	6
1921.....	59.8	93	22	3.93	0	11	14	8	9
1922.....	62.5	96	20	3.21	0	10	15	8	8
1923.....	58.3	93	20	3.50	0.6	8	19	6	6
1924.....	54.6	92	18	5.71	0	17	9	9	13
1925.....	55.2	98	22	3.49	0.2	11	13	10	8
1926.....	58.8	95	18	1.78	0	8	17	10	4
1927.....	58.2	92	23	4.14	0	16	9	9	13
1928.....	58.0	95	20	2.23	0	10	15	9	7
1929.....	58.5	97	23	4.81	T.	14	13	9	9
1930.....	61.2	99	25	3.03	0	10	15	8	8
1931.....	59.8	98	19	5.28	T.	15	13	9	9
1932.....	59.8	98	21	3.69	0	10	15	8	8
1933.....	62.2	94	24	5.86	0	18	8	10	13
1934.....	62.2	98	22	2.51	0	8	18	8	5
1935.....	56.0	92	21	3.00	0	10	13	8	10
1936.....	62.8	96	24	2.09	0	7	19	8	4
1937.....	60.7	96	24	3.39	0	11	14	10	7
1938.....	58.8	93	20	3.85	0	13	11	9	11
1939.....	62.8	99	20	1.58	T.	7	16	10	5
Period	59.6	102	18	3.83	T.	12	12	9	10

Climatological Data for May, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear	Pt. cloudy	Cloudy		Prevailing direction of wind	
Atlantic Drainage.	Allentown.....	Lehigh.....	254	27	63.8	+3.3	92	31	36	15	33	1.73	-1.67	1.09	0	6	22	9	0	ne.	John A. Frick.
	Altoona.....	Blair.....	1,615	52																	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	350	19	63.6	+2.5	92	31	36	14	36	1.38	-2.56	0.53	0	5	13	10	8		H. L. Balderston.
	Arendtsville.....	Adams.....	700	17	64.6	+4.2	94	31	34	16	40	1.62	-2.22	0.61	0	7	18	12	1	sw.	Harold J. Miller.
	Bedford.....	Bedford.....	1,060	7	62.2		92	31	30	1	43	3.06	1.97		T.	9	16	7	8	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	54	66.1	+3.6	94	31	38	16	39	1.76	-1.36	0.99	0	8	24	1	6	w.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	13	61.8		91	31	30	2	46	1.51		0.72	0	7	24	6	1		Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	73	66.0	+4.4	98	31	33	15	41	0.90	-2.48	0.42	0	4	23	5	3	se.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	40	65.3	+4.0	96	31	32	4	42	1.17	-2.22	0.50	0	7	13	16	2	sw.	William B. Spear.
	Clearfield.....	Clearfield.....	1,120	32	62.3	+3.3	91	27	25	2	47	2.10	-2.27	0.91	0	6	6	15	10	sw.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	380	52	62.2	+0.9	94	31	33	15	33	1.11	-2.48	0.56	0	5	13	7	11	nw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	560	28	62.6	+3.2	90	31	33	1	39	0.40	-3.19	0.21	0	5	20	6	5	w.	Wm. A. Rorer.
	Emporium.....	Cameron.....	1,050	52	61.6	+3.7	90	27	25	3	53	2.20	-1.99	1.25	0	4	26	1	4	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	380	47	66.3	+4.6	98	31	36	15	43	0.42	-2.62	0.15	0	5	21	4	6	s.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,970	46	61.2	+4.6	87	31	31	1	35	1.79	-2.05	0.85	0	9	10	2	19	w.	Andrew B. Evansha.
	George School.....	Bucks.....	190	33	64.1	+3.0	94	31	35	15	41	1.72	-1.64	0.54	0	10	17	6	8	w.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	66	66.2	+4.5	95	31	35	14	40	1.39	-2.30	0.95	0	5	16	6	9	se.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	840	35	61.0	+2.9	91	31	29	2	45	2.20	-1.72	0.83	0	6	17	12	2	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,875	24																	Ronald H. Marshall.
	Hanover.....	York.....	600	35	66.0	+2.8	94	31	34	1	35	0.84	-2.53	0.37	0	4	19	6	6	s.	Thomas Y. Cooper.
Harrisburg.....	Dauphin.....	337	70	66.4	+4.6	97	31	36	1	39	0.54	-2.90	0.25	0	5	10	13	8	w.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	21	60.6	+4.6	92	31	27	2	53	2.06	-1.46	0.63	0	8	18	12	1	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	24	66.4	+3.5	93	31	42	1	30	0.57	-2.20	0.36	0	5	18	8	5	nw.	H. W. Lowy, C. E.	
Huntingdon.....	Huntingdon.....	650	52	62.6	+2.3	93	31	29	4	49	1.66	-2.09	0.92	0	5	19	8	4	sw.	Prof. L. R. Yoder.	
Kyertown.....	Clearfield.....	1,694	10	61.8	+4.0	90	26	29	2	39	0.85	-2.51	0.46	0	7	11	13	7	w.	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	255	52	64.1	+3.1	97	31	32	4	48	0.50	-2.45	0.20	0	7	23	4	4	sw.	Supt. of Water Works.	
Lawrenceville.....	Tioga.....	1,000	42	61.2	+3.8	92	31	26	3	56	0.98	-2.82	0.38	0	5	19	10	2	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	469	55	65.4	+4.3	98	31	35	1	39	0.21	-3.05	0.09	0	4	22	3	6	sw.	Lebanon Valley Gas	
Lewistown.....	Mifflin.....	500	1	65.2		94	31	35	2	43	1.19		0.62	0	5	9	16	6	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	580	49	64.6	+2.8	95	31	32	1	46	2.11	-1.94	1.24	0	9	9	21	1	sw.	Joseph Beaver.	
Marcus Hook.....	Delaware.....	50	13	69.4	+3.6	99	30	40	13	33	0.21	-2.77	0.16	0	4	24	4	3	sw.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,620	31	59.7	+4.8	87	31	29	1	41	0.79	-3.04	0.31	0	7	9	18	4	sw.	Philip F. Chamberlain.	
Mt. Pocono.....	Monroe.....	1,720	33	56.2	+2.3	86	31	26	2	45	1.68	-2.40	1.30	0	4	14	11	6	nw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	1,045	27	58.8	+1.8	89	31	26	2	38	1.96	-2.09	0.89	0	8	21	9	1	w.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	60	50	63.1	+3.0	92	31	33	15	39	1.12	-2.84	0.35	0	7	23	4	4	w.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	1	63.4		95	31	30	15	44	0.66		0.22	0	5	27	3	1	w.	J. Earl Saeffer.	
Palmerton.....	Carbon.....	398	21	62.8	+3.2	92	31	33	2	42	2.55	-0.87	1.24	0	5	18	10	3	ne.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	68	66.4	+3.5	94	31	42	1	31	1.91	-1.35	0.86	0	4	13	10	8	sw.	U. S. Weather Bureau	
Phila. Navy Yard.....	Philadelphia.....	20	23	66.2	+3.6	95	31	39	2	33	2.99	-0.13	1.50	0	4	13	7	11	sw.	Navy Aeronautical Office	
Phoenixville.....	Chester.....	100	29	65.2	+3.2	94	31	34	16	43	3.40	-0.36	2.20	0	8	18	10	3	sw.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	407	1	63.2	+2.1	92	31	32	16	43	1.13	-3.01	0.49	0	7	27	0	4	s.	E. E. Rarick.	
Quakertown.....	Bucks.....	496	54	62.4	+2.9	93	31	30	15	41	1.84	-1.52	1.00	0	8	17	7	7	w.	John E. Benner.	
Reading.....	Berks.....	273	69	65.9	+3.4	93	31	38	1	33	1.39	-2.28	1.26	0	3	14	10	7	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	45	62.8	+3.4	91	31	33	2	42	2.17	-1.10	1.05	0	7	10	14	7	sw.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	455	49	63.3	+2.7	92	31	32	4	41	1.55	-2.15	0.70	0	6	15	13	3	w.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	43	65.4	+2.3	93	31	39	15	35	2.39	-0.89	1.52	0	8	12	10	9	nw.	W. S. Guiles.	
Shippensburg.....	Cumberland.....	660	6	63.6		93	31	33	15	36	0.93		0.50	0	6	18	5	8	sw.	State Teachers College	
State College.....	Center.....	1,217	55	62.7	+3.9	89	31	31	1	40	2.47	-1.42	0.98	0	7	18	12	1	w.	C. A. Kern.	
Stroudsburg.....	Mourne.....	500	25	63.5	+4.7	89	7	30	1	50	1.40	-1.93	0.90	T.	4	24	4	3	w.	State Teachers College	
Towanda.....	Bradford.....	754	45	61.2	+3.7	93	31	27	2	57	1.30	-2.06	0.52	0	5	16	10	5	ne.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,419	69	60.4	+4.0	89	7	26	3	54	2.03	-1.37	0.70	0	6	25	3	3	nw.	George W. Hill.	
West Chester.....	Chester.....	455	90	64.6	+3.8	94	31	36	1	36	1.39	-2.49	0.43	0	7	21	6	4	w.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	1	63.0		93	31	31	2	48	1.42	-1.73	0.69	0	11	10	12	9	sw.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	521	53	63.2	+2.7	93	31	31	2	45	2.23	-1.60	1.31	0	10	16	11	4	w.	Mrs. Ralph F. Keller.	
Williamsport.....	Dauphin.....	1,275	24	63.9	+3.7	90	7	32	1	36	1.69	-2.12	0.40	0	9	16	12	3	sw.	Susquehanna Collieries Co.	
York.....	York.....	400	51	64.6	+3.1	95	31	32	4	42	0.88	-2.14	0.72	0	3	20	9	2	w.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,173	49	59.6	+4.0	89	26	20	4	48	1.47	-1.95	0.55	0	11	14	3	14		Frank S. Pawcett.
	Butler.....	Butler.....	1,077	26	62.8	+3.3	93	27	28	3	46	0.82	-2.71	0.28	0	7	19	12	0	nw.	William C. Faust.
	Chambersville.....	Indiana.....	1,047	38	62.2	+2.5	90	27	28	2	41	2.04	-2.07	0.90	0	8	18	8	5	w.	John E. Lewis.
	Clairemont.....	Allegheny.....	1,020	7	68.4		91	26	26	1	36	1.04		0.30	0	7	10	13	8	s.	Carnegie-Illinois Steel Corp
	Claysville.....	Washington.....	1,150	34	62.0	+1.1	91	26	26	2	44	1.03	-2.56	0.50	0	8	20	9	2	s.	J. L. Melvin.
	Corry.....	Erie.....	1,430	26	59.0	+3.8	90	25	23	2	53	1.48	-3.03	0.55	0	4	27	3	1	sw.	Ass'd Gas & Electric Co.
	Coudersport.....	Potter.....	1,665	12</																	

Daily Precipitation for May, 1939

Stations	Drainage Basin	Day of month																															Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh	.10						.03			.24				.15	T.						T.	.12	1.09	T.								1.73	
Altoona	Juniata										.04	T.											.51	.40	.58	.04				.06	.03		1.66	
Ansouia ²	W. Br. Susq			T.						.46		.02		.25									.12	.53									1.38	
Ardmore ³	Lower Del									.48			T.		.23								.10	.04	.05					.61			1.62	
Arendtsville ²	Lower Susq	.11								.03			.51										.60	.41						.29	.03		1.95	
Baker's Summit	Juniata	.08								.17	.03			.37								.20	1.62	.20									2.69	
Bald Eagle ¹	Middle Susq									.05	.04		.06		.56						.03		1.97		.22					.10			3.06	
Bedford	Juniata	.05								.06				.20								.12	1.80	.81					.41	T.	.10	T.	3.50	
Bellefonte	W. Br. Susq									.50										.08		.41	.04	.06									1.09	
Berwindale ¹	W. Br. Susq									.05	.34			.10	.07							T.	.03	.99	.01								1.76	
Bethlehem	Lehigh	.17		T.						.08	T.			.18							.02	.03	.72	.43	.05						T.		1.51	
Bloomsburg	Susquehanna													.25									.25	.14						.14			0.78	
Blossville	Lower Susq									T.	.07			.05	.55								.09							.52			1.79	
Buffalo Mills ²	Potomac	.51								.04		T.		.14								T.	.30	T.					T.	.42			0.90	
Carlisle	Lower Susq									.10													.42		.55	.18					.10	.02	1.37	
Carter Camp ¹	W. Br. Susq									.01				.24						.02		.27	1.24						.78				2.56	
Center Hall	Susquehanna										.02				.28							.09	.50	.02	T.					.22			1.17	
Chambersburg ²	Potomac	.04									.10											.34	.22	.91	.07	.46							2.10	
Clearfield ²	W. Br. Susq										.56			.07									.45	.02									1.11	
Coatesville	Lower Del										.21		.01										.04	.03						.01			0.40	
Colebrook	Lower Susq	T.									.18			.14	T.							T.		.04	.03								2.82	
Conshohocken	Schuylkill									T.	.27			1.30	.04								.30	.30	.80	.05				.23			1.95	
Covington ²	N. Br. Susq										.09	T.		.11									.01	.59	.04								1.27	
Doylestown	Lower Del																																	
Driftwood ¹	W. Br. Susq					.02	.03				.23	.07		.06								1.02	.40	.12	.24						.03		2.22	
Du Bois	W. Br. Susq					T.			T.		.18	.07									T.	.04	.19	.53	.29			T.	.08	.01			1.39	
East Waterford ²	Middle Susq	.18									.44				.10							.05	.08	.06	.01					.10			0.83	
Emporium	W. Br. Susq										.12											1.25		.41									2.20	
English Center ¹	W. Br. Susq										.15			.08									.03	.09	T.								\$	
Ephrata	Lower Susq	.07									.25	T.		.13									.03	.09	T.					.06			0.42	
Fredericksburg ²	Schuylkill									T.	.05	.25			.19								.08	.85	.25					.05			1.09	
Freeland ²	Lehigh	.06						.01			.05	.25										.18	.10	.75	.02								1.79	
Galeton	N. Br. Susq			T.							.22	.02											.18	.10	.75	.02				.02	.14		1.75	
George School	Lower Del	.11									.54	T.		.09	.07							.12	T.							.10			1.72	
Gettysburg	Potomac										.95		T.	.27	.02								.12	T.						.03			1.39	
Girardville ²	Lower Susq										.41			.23								T.	.04	1.33	.31						.07	.01	2.40	
Gordon	Lower Susq	.14									.53			.33										.83	.27					.10			2.20	
Gouldsboro ²	Lehigh																																	
Graterford	Schuylkill			T.							.14		T.	.17	.03							.23	.18	.65	.83								2.23	
Hanover	Lower Susq										.28			.15	.04								.37	T.					T.				0.84	
Harrisburg ¹	Lower Susq													.11								.03	.14	.25									0.54	
Hawley ²	Upper Del	.18									.63												.01	.52	.38	.09				T.	.24	.01	2.06	
Hollisterville ²	Upper Del	.01									.54												.04	.53	.72	.79					T.	T.	2.63	
Holtwood ²	Lower Susq	.03									.36				.04								.05	T.	.09					T.			0.57	
Huntingdon	Juniata													.43									.12	.92	.09					T.			1.66	
Huntsdale ¹	Lower Susq													.22								.03	.04							T.		.10	0.29	
Hyndman ²	Potomac	.07									.06			T.	.58									.20	T.								1.45	
Kylertown ²	W. Br. Susq						T.				.16		T.								.01	.12	.03	.46	.05				T.	T.	.54	.02	0.85	
Lakeville ²	Upper Del	.06										.26	.01			T.							.02	.55	.46	.12					.23	T.	T.	1.71
Lancaster	Lower Susq	.06									.20	.01		.07	.05								.02	.09									0.50	
Lansford ²	Lehigh										.41				.24									.68	.45	.01					.05		1.84	
Lawrenceville	N. Br. Susq																						.08	.38	.35	T.					.05	.12	0.98	
Lebanon ²	Lower Susq							T.			.03			.09									.04	.05						T.	T.		0.21	
Lehighton ²	Lehigh	T.										1.09			.25										.99	.12	.03					.14		2.62
Lewistown	Middle Susq	.08												.29									.40	.22	.20								1.19	
Lock Haven	W. Br. Susq	.11					.01				.24			.01									.03	.38	1.24		.08						2.11	
Locust Gap ²	N. Br. Susq																																	
Mapleton Depot ²	Juniata	.37													.46								T.	.70	.02									

Stations	Drainage Basin	Day of month																																Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
<i>Atlantic Drainage (continued)</i>																																		
Sellersville ¹	Lower Del.									.03				.12								.36	.68	.62									1.81	
Shade Gap ¹	Middle Susq.									.03				.40						.10	.03		.88					.07					1.51	
Shawmont ¹	Schuylkill	.11								T.	.27	.02		.18	.09							.10	.10	1.52									2.39	
Shippensburg	Lower Susq.	.04								T.				.24	.03					T.	T.	.50	.08						.04				0.93	
State College	W. Br. Susq.					.01				T.				.37						.02	.98	.30	.70					.09					2.47	
Stroudsburg ²	Upper Del.									.35				.15	T.								.50	.40									1.40	
Sunbury ²	Lower Susq.	.08								.08				.32					.08	.13	.43	.10	T.		.01	.20	.03		T.	T.			1.17	
Susquehanna ²	N. Br. Susq.									.17																		.02					0.43	
Towanda	N. Br. Susq.		T.				.10			T.	T.			.25							.40	.26	.52	.02			T.	T.	T.		T.		1.30	
Weikert	Lower Susq.													.25						.36	.13	.50	.60									1.84		
Wellsboro	N. Br. Susq.									.10											.30	.70	.65	.13				.15	T.			2.03		
Wernersville ² , [nr]	Schuylkill									.10				.09						T.	T.		.43	.08	T.	.69				.14			1.02	
West Chester	Lower Del.	.06						.42	.29	T.				.08	.03																		1.39	
Westgrove ²	Lower Del.	.03							.53					.10										T.									0.66	
Wilkes-Barre ²	N. Br. Susq.							.72	.04	T.				.05							.13	.04	.69	.02				.14	.01	.01	.02		1.42	
Wilkes-Barre ² 1	N. Br. Susq.	.08						.60	.02					.09								.05	.16	.50	.05				.27	T.			1.82	
Williamsport	W. Br. Susq.						.06		.16	.01				.07							T.	.18	.33	1.31	.04			.04	.03	T.			2.23	
Williamstown	Lower Susq.	.37						.40	.32					.06	.08						.04	.13	.11					.18	</					

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First-order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ** Precipitation for period, 7:30 p. m. to 7:30 p. m. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. Post Office addresses are as follows: of Blossville, Newville: of Acmetonia, Barking; of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Lock No. 5, Schenley. § Airways Station. † River Station. ||| Formerly Dahoga and Kane(near).

Daily Temperatures for May, 1939

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Altoona.....	Maximum.....	55	54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71	76	82	71	87	86	87	79	87	78	81	87	87	85	82	84	89	.....	
Altoona.....	Minimum.....	32	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33	41	41	41	46	57	57	56	54	43	43	54	57	63	62	55	61	.....	
Bedford.....	Maximum.....	57	58	61	68	77	85	89	86	80	80	79	65	64	57	65	68	77	77	89	86	80	79	85	82	81	88	86	85	85	92	77.4	
Bedford.....	Minimum.....	30	37	38	32	40	41	46	44	42	45	42	36	36	38	35	41	45	44	46	58	59	56	52	52	56	58	66	63	57	60	47.0	
Bethlehem.....	Maximum.....	62	65	62	70	78	90	92	92	82	80	80	67	64	64	63	65	69	76	87	88	85	83	74	78	82	83	86	88	87	94	78.2	
Bethlehem.....	Minimum.....	39	40	45	44	50	59	64	63	62	57	62	44	42	40	39	38	39	57	48	64	62	59	60	52	51	58	60	72	70	61	71	54.0
Bloomsburg.....	Maximum.....	60	60	62	69	78	85	88	81	80	80	79	78	63	64	64	66	75	69	85	75	81	74	81	75	73	85	86	85	85	91	76.2	
Bloomsburg.....	Minimum.....	33	30	36	31	41	45	50	54	63	47	54	39	36	42	34	33	35	10	39	55	60	60	57	47	49	50	60	68	61	57	47.0	
Brookville.....	Maximum.....	.....	60	62	75	85	86	85	74	79	68	62	58	67	68	72	73	77	76	86	80	79	84	79	87	83	81	85	77	82	89	77.2	
Brookville.....	Minimum.....	26	25	23	20	32	37	40	46	53	36	43	26	36	29	29	43	50	50	47	47	57	56	51	41	43	50	54	63	55	53	49	42.3
Butler.....	Maximum.....	56	53	62	72	83	84	88	87	84	78	74	70	65	70	75	75	80	81	87	83	81	81	86	83	91	90	93	92	83	89	92	79.6
Butler.....	Minimum.....	33	30	28	30	42	48	50	52	60	46	49	31	41	28	35	49	45	44	49	59	59	59	49	41	45	52	61	53	51	54	55	45.9
Carlisle.....	Maximum.....	63	65	65	75	82	90	93	88	86	84	80	79	67	62	74	70	78	75	87	82	86	85	90	85	82	87	89	90	91	90	98	81.2
Carlisle.....	Minimum.....	38	36	42	41	41	52	60	58	64	54	54	40	38	36	33	38	39	48	47	52	60	61	57	54	52	54	66	66	63	63	66	50.7
Chambersburg.....	Maximum.....	61	63	65	72	80	89	90	83	87	84	73	70	63	61	64	69	78	74	89	82	84	83	90	84	80	86	88	90	91	90	96	79.3
Chambersburg.....	Minimum.....	35	35	42	42	43	47	54	60	62	55	54	43	41	37	34	39	43	48	49	60	61	61	60	56	56	55	68	69	66	62	63	51.3
Chambersville.....	Maximum.....	58	55	61	69	77	86	87	86	85	77	76	64	64	67	68	74	78	79	88	80	82	81	85	78	86	89	90	86	83	84	90	77.8
Chambersville.....	Minimum.....	30	28	30	28	41	49	47	55	57	42	48	29	41	32	35	45	42	43	50	55	59	59	42	51	57	59	68	61	54	55	46.6	
Claysville.....	Maximum.....	56	53	59	66	76	83	85	85	81	75	71	65	63	65	70	71	80	77	86	82	83	80	86	85	88	91	89	83	82	84	89	77.2
Claysville.....	Minimum.....	27	26	28	28	40	51	48	46	54	46	47	30	41	28	36	48	44	49	48	59	58	60	52	44	51	63	67	63	53	53	46.8	
Clearfield.....	Maximum.....	58	53	69	75	83	86	88	88	87	76	78	75	66	64	67	68	73	80	86	78	83	81	81	85	80	88	91	90	81	80	90	78.3
Clearfield.....	Minimum.....	26	25	28	42	43	43	45	50	51	42	50	28	41	39	31	41	41	51	42	55	58	59	54	51	56	61	64	61	55	57	46.3	
Coatesville.....	Maximum.....	55	56	53	64	71	81	83	77	74	72	68	59	54	58	60	58	69	66	78	80	85	84	81	78	80	83	87	91	90	89	94	73.5
Coatesville.....	Minimum.....	35	39	44	41	47	55	60	57	61	58	52	44	40	36	33	35	36	51	46	60	62	59	61	53	47	53	55	69	66	63	64	51.0
Corry.....	Maximum.....	52	52	57	67	77	85	85	85	79	75	67	58	62	69	69	71	75	70	87	81	82	78	83	87	90	90	83	76	83	87	90	76.0
Corry.....	Minimum.....	25	23	24	25	40	47	45	50	56	40	35	23	33	25	36	45	35	40	34	51	57	58	40	42	49	55	63	58	43	49	52	41.9
Coudersport.....	Maximum.....	57	51	59	68	76	85	87	85	74	75	68	60	56	63	66	73	78	73	85	82	76	79	80	80	90	88	84	86	77	88	91	75.5
Coudersport.....	Minimum.....	30	24	22	23	36	38	41	44	58	38	36	26	33	34	31	43	43	43	34	50	57	56	55	44	56	60	64	62	58	64	60	44.0
Donora*.....	Maximum.....	55	56	62	70	80	88	90	89	77	78	68	65	60	69	73	78	81	83	91	82	86	83	90	83	90	96	89	86	80	84	94	79.3
Donora*.....	Minimum.....	34	34	39	36	45	55	54	61	60	53	53	39	48	39	44	51	52	52	56	64	63	65	57	51	51	59	67	68	64	60	63	52.8
Ebensburg.....	Maximum.....	48	50	59	63	73	79	80	79	78	73	70	70	69	58	58	64	74	75	77	78	74	73	75	80	76	79	80	78	75	78	84	71.8
Ebensburg.....	Minimum.....	28	28	32	34	44	52	54	59	55	44	48	33	39	33	35	41	45	44	39	56	55	56	52	46	52	57	68	64	61	55	62	47.5
Emporium.....	Maximum.....	60	56	62	70	77	89	87	88	77	81	73	68	.....	67	73	.....	80	88	84	78	82	85	79	86	89	90	85	78	84	91	90	78.8
Emporium.....	Minimum.....	30	27	25	26	36	39	40	47	54	42	46	28	.....	31	43	.....	43	35	49	59	58	55	45	48	50	60	63	58	56	54	44.4	
Ephrata.....	Maximum.....	65	64	62	73	82	91	94	86	81	84	76	69	57	66	71	71	78	75	90	83	89	89	90	86	84	90	91	93	93	91	98	81.0
Ephrata.....	Minimum.....	37	38	45	40	43	48	56	59	63	57	52	44	42	40	36	38	48	48	40	62	62	60	54	50	51	62	70	66	64	62	51.6	
Erie*.....	Maximum.....	49	50	53	60	70	77	80	78	70	75	54	51	55	54	40	40	45	45	48	55	60	57	52	51	53	55	61	64	56	53	68	51.7
Erie*.....	Minimum.....	38	37	38	42	55	62	66	65	55	53	45	40	43	40	40	45	43	44	48	55	60	57	52	51	53	55	61	64	56	53	68	51.7
Franklin.....	Maximum.....	54	51	57	66	75	82	85	82	65	77	65	59	50	65	66	69	73	75	82	69	77	73	80	80	82	91	86	82	76	82	88	72.4
Franklin.....	Minimum.....	32	31	28	30	42	47	50	57	41	47	50	43	31	33	29	33	40	43	40	44	60	61	52	44	50	52	56	64	59	52	54	44.3
Freeland.....	Maximum.....	54	55	57	65	73	83	84	80	74	75	67	63	53	59	59	62	71	67	82	77	81	71	79	74	79	80	81	81	80	81	72	72.1
Freeland.....	Minimum.....	31	34	38	38	45	53	64	63	58	52	58	37	37	37	37	34	41	46	47	60	58	58	54	46	50	58	61	78	64	57	65	50.4
George School.....	Maximum.....	64	63	60	71	80	88	90	82	78	79	76	66	68	72	63	61	74	72	88	86	86	83	72	71	79	82	86	90	89	88	94	77.4
George School.....	Minimum.....	38	38	44	41	44	49	55	54	62	54	55	43	39	37	34	39	36	58	47	63	62	55	60	50	46	52	53	69	67	64	66	50.8
Gettysburg.....	Maximum.....	62	60	61	72	81	92	92	86	84	82	81	70	67	67	68	65	75	74	85	84	83	84	88	85	84	88	91	90	90	95	95	79.5
Gettysburg.....	Minimum.....	36	37	43	40	49	52	58	60	63	58	55	44	42	35	36	40	40	52	50	63	61	61	70	64	55	53	64	69	66	62	63	52.9
Gordon.....	Maximum.....	59	60	58	69	78	87	89	88	78	79	75	66	59	62	64	67	75	71	84	79	83	80	83	78	83	84	87	83	87	84	91	76.3
Gordon.....	Minimum.....	32	29	38	29	35	42	46	54	62	45	51	41	37	39	34	31	35	45	43	54	57	56	56	45	46	50	58	63	57	54	54	45.7
Greensburg.....	Maximum.....	50	53	58	66	73	81	84	83	80	75	72	62	58	66	68	74	76	77	86	75	81	78	85	80	89	91	86	83	78			

Daily Temperatures for May, 1939-(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Port Clinton.....	Maximum...	59	60	60	71	77	88	90	90	80	80	81	79	64	61	63	64	72	72	86	86	83	86	82	82	80	84	86	87	89	86	92	78.1	
	Minimum...	34	34	45	39	39	45	51	57	62	52	51	42	36	39	34	32	36	42	43	57	58	62	59	49	47	53	59	67	60	58	59	48.4	
Quakertown.....	Maximum...	61	62	59	69	76	86	89	84	79	78	75	66	60	62	62	62	73	71	84	87	82	79	72	73	79	81	85	87	88	86	94	75.8	
	Minimum...	40	36	42	42	41	46	54	56	61	54	49	42	35	37	32	30	32	50	44	59	61	57	61	49	47	52	54	68	65	60	64	49.0	
Reading*.....	Maximum...	59	63	61	70	77	87	90	82	79	80	71	64	52	63	62	64	74	71	85	84	84	81	78	76	82	84	87	87	88	86	93	76.3	
	Minimum...	38	42	48	45	53	60	64	66	64	58	55	46	42	42	39	40	43	58	52	67	64	60	61	56	52	60	62	72	71	68	72	55.6	
Retreat.....	Maximum...	59	59	60	79	78	86	89	83	79	80	79	68	68	64	65	69	75	77	85	81	82	75	80	75	80	84	85	84	83	77	89	76.7	
	Minimum...	30	29	31	30	30	44	50	.....	.....	.....	54	37	36	40	38	33	39	51	38	50	59	54	56	47	52	52	60	66	60	57	58	45.8	
Ridgway†.....	Maximum...	52	57	53	61	70	77	85	86	86	76	80	68	62	60	69	70	72	78	75	88	79	77	80	83	79	88	91	88	84	75	83	75.2	
	Minimum...	28	27	22	22	34	37	40	48	52	36	42	25	32	32	31	45	42	38	36	47	53	57	50	39	45	52	56	60	58	52	49	41.5	
Scranton*.....	Maximum...	56	56	60	64	75	86	89	83	77	79	70	58	52	64	67	71	74	66	85	82	80	74	80	75	82	85	87	85	82	86	91	74.9	
	Minimum...	38	33	41	41	43	50	56	60	61	52	48	42	39	41	40	42	45	43	61	60	62	56	51	55	58	62	70	64	59	62	50.8		
Selinsgrove.....	Maximum...	61	62	62	72	78	88	88	84	82	80	78	68	62	63	65	66	73	70	85	76	81	77	84	80	80	84	85	87	86	85	92	76.9	
	Minimum...	33	35	39	32	44	47	50	54	64	49	59	39	36	39	46	38	42	49	45	67	60	60	55	51	54	57	63	64	64	57	60	49.7	
Somerset.....	Maximum...	48	51	55	61	70	79	81	78	75	71	71	60	56	58	63	66	72	75	81	81	76	77	80	83	83	88	81	77	75	76	83	72.2	
	Minimum...	32	26	27	26	32	41	38	52	55	43	47	26	33	32	29	38	39	40	45	52	49	54	50	46	42	49	52	64	52	55	49	42.4	
Springs.....	Maximum...	48	50	53	60	69	77	80	79	68	71	64	58	46	55	60	64	70	78	82	76	78	74	81	82	85	85	82	80	77	78	83	70.7	
	Minimum...	32	28	28	28	32	40	44	53	47	47	48	28	32	30	30	31	38	48	45	55	53	52	50	47	47	49	52	64	58	50	59	43.5	
State College.....	Maximum...	57	57	62	70	75	85	87	83	79	79	68	65	58	62	65	70	77	72	86	84	80	79	84	76	82	87	87	85	81	83	89	75.9	
	Minimum...	31	33	33	34	48	55	56	58	60	48	48	35	40	39	36	41	45	48	46	55	58	59	56	47	50	58	64	66	64	58	61	49.5	
Stroudsburg†.....	Maximum...	66	69	71	76	78	88	89	86	87	85	73	65	64	65	61	68	76	78	84	85	88	74	76	78	79	86	87	85	86	87	84	78.2	
	Minimum...	30	36	42	40	49	63	54	58	68	62	51	39	35	32	31	35	36	37	34	49	58	60	54	49	46	60	58	59	62	65	62	48.8	
Towanda.....	Maximum...	59	58	60	68	77	87	90	86	80	80	72	59	51	66	69	73	76	66	90	83	81	77	78	73	82	86	87	86	84	86	93	76.2	
	Minimum...	31	27	32	29	42	41	48	53	64	42	48	36	34	37	32	37	42	47	33	53	58	59	56	48	47	55	59	71	59	55	56	46.2	
Uniontown.....	Maximum...	58	56	62	69	78	86	88	86	81	80	75	65	59	69	71	76	78	81	90	84	84	81	88	85	91	93	89	86	84	86	91	79.0	
	Minimum...	35	31	32	30	41	53	49	58	64	48	52	35	45	34	41	49	48	51	53	64	60	61	55	52	53	60	59	71	66	58	59	50.5	
Vandergrift*.....	Maximum...	49	57	56	72	81	88	89	87	78	82	72	72	63	70	70	79	82	81	90	80	85	82	88	82	89	92	92	90	83	91	94	79.5	
	Minimum...	33	31	31	32	43	51	49	57	.....	46	43	34	41	33	36	49	47	47	50	59	59	60	56	47	51	58	62	68	61	58	58	48.3	
Warren.....	Maximum...	55	52	60	68	76	84	85	86	74	75	64	58	62	66	70	70	76	70	85	79	78	78	80	80	87	90	89	84	75	82	89	75.1	
	Minimum...	29	27	25	27	39	43	46	53	57	40	42	30	36	29	40	48	45	45	38	56	59	60	52	47	49	55	59	68	61	53	54	45.5	
Waynesburg.....	Maximum...	56	54	59	68	78	83	86	85	81	76	65	64	61	68	71	74	78	80	87	83	81	78	87	72	90	92	88	83	82	84	90	76.9	
	Minimum...	31	31	33	30	39	51	48	60	63	49	51	34	45	32	38	44	47	49	50	60	58	63	54	48	48	53	60	69	66	57	56	48.9	
Wellsboro.....	Maximum...	56	52	58	67	75	84	89	86	79	80	71	59	54	66	67	73	76	69	89	83	80	79	84	76	82	85	88	85	78	86	88	75.6	
	Minimum...	29	27	26	26	45	43	45	49	59	40	46	30	35	37	37	42	45	44	35	54	57	56	56	46	47	54	57	65	58	55	60	45.3	
West Chester.....	Maximum...	59	63	58	71	78	86	90	84	80	79	74	66	52	63	65	64	74	72	83	84	82	81	80	79	80	84	88	86	84	86	94	76.7	
	Minimum...	36	43	45	41	57	57	58	60	62	58	54	45	43	38	37	38	38	51	49	61	61	59	63	54	49	54	56	69	64	64	66	52.6	
Wilkes-Barre.....	Maximum...	58	60	62	67	78	89	90	83	78	80	74	62	54	67	67	70	75	68	87	81	84	76	82	75	84	88	88	86	84	86	93	76.6	
	Minimum...	40	31	41	38	43	46	52	56	63	46	56	40	37	42	35	36	39	52	39	52	39	52	60	61	59	48	52	58	60	70	63	55	49.4
Williamsport.....	Maximum...	59	57	62	72	78	88	88	84	81	80	76	62	61	65	66	69	75	72	85	82	81	78	84	75	81	85	87	86	85	86	93	76.9	
	Minimum...	35	31	35	35	50	45	50	56	64	46	56	36	39	43	34	41	43	47	40	55	61	61	58	48	51	56	63	65	63	59	64	49.4	
Williamstown.....	Maximum...	58	60	60	72	77	81	90	85	79	77	66	65	60	64	63	65	74	78	85	80	89	82	83	83	82	85	85	90	85	84	90	77.0	
	Minimum...	32	35	38	40	46	59	64	64	58	49	57	38	39	36	39	36	42	48	50	64	56	59	55	47	50	56	61	66	66	62	64	50.8	
York.....	Maximum...	62	62	60	71	79	88	91	86	83	93	77	66	65	60	68	65	77	74	87	82	84	84	89	86	80	86	89	90	90	90	95	79.3	
	Minimum...	33	34	42	52	43	46	53	59	64	56	54	41	38	33	34	35	37	48	46	59	61	60	61	57	50	53	64	71	63	60	58	50.0	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. ., ., ., etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.		12 noon	Percentage of sunshine
Erie.....	29.98	30.32	12	29.41	9	7.3	23	sw.	10	68	58	58	72
Harrisburg.....	29.98	30.30	13	29.41	9	7.6	26	sv.	27	68	43	47	75
Philadelphia.....	29.98	30.29	13	29.46	9	11.9	39	n.	3	67	47	53	72
Pittsburgh.....	29.99	30.28	12	29.49	9	9.2	29	sw.	9	71	44	48	76
Reading.....	29.97	30.29	13	29.43	9	10.6	29	w.	29	65	44	52	67
Scranton.....	29.96	30.29	13	29.38	9	6.4	23	nw.	21	70	43	52	77

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

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GENERAL SUMMARY.

The month of June was moderately warm and rainy. The excess temperature was fairly general and uniform and accumulated mostly during the second week. The highest temperature in the State, 101°, has been exceeded in ten Junes during the last 50 years. The low temperature was 35°, while a temperature of 20° was recorded in June, 1913, and freezing temperatures have been recorded in 38 Junes during the last 50 years. The rains were generally above normal in the southern portion of the State, excepting Dauphin and adjoining counties, and were mostly below normal in the northern part of the State. The excess of about one-third of an inch was chiefly due to quite heavy rains in the southwestern counties. Monthly amounts in excess of ten inches were recorded at Altoona and Uniontown, while amounts in excess of nine inches were reported by several stations. Rains occurred chiefly in four periods, the first two periods being separated by three days from the 5th to the 7th inclusive which were practically free from rain. The second and third periods were separated by the 15th to 17th inclusive with only a few light local showers, and the third and fourth periods were separated by the 24th to the 27th inclusive, practically without rain. A moderate drought condition had developed during May in nearly all parts of the State with the average rainfall for the month about two-fifths of the May normal. The excess rains for the month of June merely counteracted rather slowly the effects of that drought. Practically all crops made a good recovery, excepting oats, which was permanently stunted at the time it should have been producing a proper growth of straw. Corn was in healthy condition but grew rather slowly until after the second period of rains. Pastures and meadows did not fully recover from the effects of the drought until the third period of rains, after which they were mostly in good condition. Early potatoes made a good growth and came into bloom during the third week and were generally looking fair to good. They were free from insect damage and with no blight reported. The late crop was mostly planted by that time but was rather slow and irregular in germination. Truck crops made a good recovery after the third period of rains. Several severe local storms occurred during the month among which Ephrata reports a thunderstorm on the 30th during which 3.74 inches fell in two hours and five minutes. Lock Haven reported a thunderstorm on the 11th in which the winds did extensive damage to telephone and light wires.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 90 stations, was 69.9°, which is 1.8° above the 52-year normal for June. The highest monthly mean was 76.4° at Marcus Hook, and the lowest was 59.4° at Gouldsboro. Ex-

tremes of temperature ranged from a maximum of 101° at Marcus Hook on the 16th to a minimum of 35° at Gouldsboro on the 7th. The greatest daily range in temperature was 52° at Coudersport on the 7th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 171 stations, was 4.46 inches, which is 0.33 inch above the 52-year normal for June. The greatest monthly amount was 10.96 inches at Uniontown, and the least was 0.83 inch at Wilkes-Barre (river station). The greatest amount for any 24 consecutive hours was 4.02 inches at Ephrata on the 30th.

OBITUARY.

Mr. A. G. Mountz, cooperative observer at Bloersville, died on June 1, 1939. Mr. Mountz's period of service covered nearly 20 years.

Mr. John J. Martin, cooperative observer at Altoona, since January 1, 1935, passed away during May, 1939.

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	68.4	100	30	3.04	.....	9	12	11	7
1889	66.7	95	33	5.43	.....	15	5	12	13
1890	70.1	97	33	3.42	.....	9	12	11	7
1891	68.2	100	30	4.50	.....	11	14	8	8
1892	71.8	99	40	5.64	.....	13	9	11	10
1893	69.8	100	38	3.12	.....	9	10	11	9
1894	69.6	102	30	2.57	.....	10	13	12	5
1895	71.4	104	32	3.50	.....	9	13	10	7
1896	67.4	93	32	4.64	.....	11	10	11	9
1897	64.8	96	28	3.38	.....	11	11	11	8
1898	69.6	100	33	2.79	.....	9	14	11	5
1899	69.9	101	32	3.51	.....	9	13	11	6
1900	69.9	97	35	3.60	.....	10	11	12	7
1901	69.1	103	32	3.47	.....	10	12	11	7
1902	66.0	97	32	5.97	.....	13	11	12	7
1903	63.5	90	34	6.53	.....	15	7	10	13
1904	67.9	96	32	4.06	.....	13	12	10	8
1905	68.0	99	30	4.39	.....	13	11	10	9
1906	69.3	97	28	5.43	.....	13	11	12	7
1907	63.6	98	30	4.99	.....	12	11	9	10
1908	68.8	102	28	2.36	.....	7	19	9	2
1909	68.8	96	34	4.48	.....	13	12	9	9
1910	65.4	95	32	4.31	.....	11	12	8	10
1911	68.3	99	38	4.71	.....	12	12	10	8
1912	65.6	96	29	3.36	.....	8	13	9	8
1913	68.2	99	20	2.26	.....	7	19	7	4
1914	68.6	101	25	3.71	.....	9	16	8	6
1915	65.6	92	31	4.00	.....	11	14	10	6
1916	63.7	89	28	6.14	.....	15	11	10	9
1917	66.8	92	32	5.38	.....	14	12	11	7
1918	66.0	98	29	3.46	.....	10	13	11	6
1919	71.2	102	32	3.90	.....	10	16	9	5
1920	67.0	99	32	4.97	.....	13	12	11	7
1921	70.6	101	26	3.12	.....	8	17	9	4
1922	69.5	96	30	5.11	.....	13	11	11	8
1923	70.9	103	32	2.73	.....	9	16	9	5
1924	65.8	98	26	5.57	.....	15	11	11	8
1925	71.9	104	29	3.04	.....	9	16	11	3
1926	64.1	94	23	3.63	.....	12	13	10	7
1927	63.8	99	25	3.72	.....	9	15	8	7
1928	65.5	93	30	7.96	.....	17	9	9	12
1929	67.8	98	28	3.56	.....	10	15	10	5
1930	69.1	100	22	4.20	.....	9	17	8	5
1931	68.5	102	28	3.71	.....	9	16	8	6
1932	68.5	98	26	3.15	.....	11	13	9	8
1933	70.9	107	28	2.58	.....	9	18	8	4
1934	72.9	104	35	3.64	.....	9	17	9	4
1935	67.4	96	33	4.22	.....	12	13	9	8
1936	68.5	100	33	3.80	.....	10	14	9	7
1937	69.5	99	38	4.37	.....	12	13	9	8
1938	67.1	99	32	5.14	.....	11	12	10	8
1939	69.9	101	35	4.46	.....	13	12	9	9
Period	68.1	107	20	4.13	.....	11	13	10	7

Climatological Data for June, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy			Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	254	27	70.9	+1.2	94	17	46	6	37	2.51	-1.43	1.01	0	8	16	12	2	sw.	John A. Frick.
	Altoona.....	Blair.....	1,615	62	67.3	+0.8	91	17	44	5†	38	10.38	+6.53	3.12	0	16	12	10	8	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	350	19	71.8	+1.5	94	17	51	7	33	4.60	+0.67	2.19	0	14	8	10	12	.....	H. L. Balderston.
	Arendtsville.....	Adams.....	700	17	71.4	+0.8	94	17	50	15	39	4.21	-0.88	1.44	0	13	15	6	9	se.	Harold J. Miller.
	Bedford.....	Bedford.....	1,060	7	71.0	.....	94	17	45	5	38	6.13	.....	2.00	0	14	14	4	12	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	53	73.6	+3.0	97	17	49	7	34	2.68	-1.28	1.20	0	11	17	4	9	w.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	13	69.4	.....	94	17	42	7	38	2.34	.....	1.17	0	9	16	10	4	.....	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	70	73.2	+2.1	97	17	49	5	38	2.69	-1.27	0.72	0	12	17	3	10	ne.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	680	42	72.8	+2.8	96	17	48	5	36	4.02	-0.20	1.10	0	12	11	10	9	sw.	William E. Spear.
	Clearfield.....	Clearfield.....	1,120	38	69.2	+1.9	91	17	41	5	42	5.90	+1.29	1.90	0	12	8	9	13	sw.	Otto J. W. Eppers.
Ohio Drainage.	Coatesville.....	Chester.....	380	62	71.2	+1.6	97	17	46	7	41	7.27	+3.07	2.48	0	12	9	8	13	nw.	Howard L. Fyle.
	Colebrook.....	Lebanon.....	560	27	69.7	+1.6	93	17	48	5†	36	3.24	-0.85	1.32	0	12	19	2	9	w.	Wm. A. Rorer.
	Emporium.....	Cameron.....	1,050	54	67.8	+1.9	90*	17	41*	7	45*	6.37	-1.57	0.75	0	9	19	2	9	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	380	42	74.0	+4.5	100	17	49	5†	40	4.02	+2.11	4.02	0	13	11	8	11	s.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,970	46	67.0	+2.0	86	8†	47	7	29	2.74	-2.22	0.70	0	10	4	26	0	w.	Andrew B. Evansha.
	Georgetown School.....	Bucks.....	190	33	72.0	+2.6	96	17	46	7	36	3.44	-0.23	1.21	0	10	18	5	7	w.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	66	74.0	+3.8	94	17	52	5	33	4.07	-0.32	1.13	0	12	15	5	10	e.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	840	35	68.0	+1.9	93	17	40	7	42	2.30	-2.13	0.76	0	9	19	5	6	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,875	24	59.4	-1.6	85*	9†	35*	7	41*	1.35	-3.16	1.02	0	6	.....	.....	.....	.....	Steward W. Ellenberger.
	Hanover.....	York.....	600	35	73.6	+2.2	93	6†	52	5	34	6.25	+2.24	2.07	0	14	16	5	9	s.	Thomas Y. Cooper.
For the State.	Harrisburg.....	Dauphin.....	337	70	72.5	+2.2	98	17	52	15	32	2.44	-1.15	0.72	0	13	4	13	13	w.	U. S. Weather Bureau.
	Hawley.....	Wayne.....	900	21	66.8	+0.7	90	8†	39	7	43	2.71	-1.14	0.60	0	12	14	10	6	w.	Mrs. Della M. Pennell.
	Holtwood.....	Lancaster.....	200	24	73.7	+1.1	92	17	69	2†	28	6.16	+2.95	2.62	0	12	9	11	10	nw.	H. W. Lowy, C. E.
	Huntingdon.....	Huntingdon.....	650	52	70.0*	+1.5	95*	17	40*	6	51*	4.62	+0.50	1.11	0	12	15	4	11	se.	Prof. Paul R. Yoder.
	Kyertown.....	Clearfield.....	1,694	10	67.0	+1.1	90	17	40	15	39	4.86	+1.40	1.83	0	15	7	11	12	.....	U. S. Weather Bureau.
	Lancaster.....	Lancaster.....	255	52	73.0	+2.9	99	17	46	7	43	3.65	-0.41	1.26	0	10	16	7	7	nw.	Supt. of Water Works.
	Lawrenceville.....	Tioga.....	1,000	42	68.6	+2.5	92	8	38	7	49	2.57	-1.35	0.84	0	8	16	10	4	.....	C. P. Darling.
	Lebanon.....	Lebanon.....	469	55	71.8	+2.0	98	17	49	5	38	2.19	-2.16	1.09	0	10	17	8	6	sw.	Lebanon Valley Gas
	Lewistown.....	Mifflin.....	600	1	71.8	.....	95	17	48	7†	40	3.73	.....	0.85	0	13	6	9	15	w.	Penna. Edison Co.
	Lock Haven.....	Clinton.....	580	49	71.0	+1.2	94	17	45	7	40	2.62	-1.64	0.99	0	13	7	15	8	s. v.	Joseph Beaver.

Daily Precipitation for June, 1939

Stations	Drainage Basin	Day of month																															Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh	T.	T.	.05	.03					T.	.62	.18		1.01				.05		.32		T.								.25		2.51		
Altoona	Juniata	T.	1.15	.07	.17				.38	.03	.01	.50	.18					1.21	.87	.15	2.50	.62							.14	1.85	.55		10.38	
Ansonia ²	W. Br. Susq.			.11							.09	.20					.05		.01		.01										.25		2.08	
Ardmore ²	Lower Del.	.02	.04	.15					.20		.02	.41	1.98	.21	T.		.27	.01	.40	T.		T.	.05							.37	.47		4.60	
Arendtsville ²	Lower Susq.	T.	.43	.04	.01	T.				.17	.01	.67		.56				.05	.22	.31		1.44								.27	.03		4.21	
Baker's Summit	Juniata		1.06	.02	.05				.10	.32			.38	.07				1.24	1.21	.04		.20							.30	.21	.43		5.63	
Bald Eagle ¹	Middle Susq.	.06	.10		.07				.38		.37		.52	.05				.61	.59	.80	.02	.38	.14						.29	.90	.11		5.39	
Bedford	Juniata		2.00	.28	.11				.16				.25		.13			*	.50	.69	*	.35	1.14						.42	.10		6.13		
Bellefonte	W. Br. Susq.		.09	.02					.33	.03	.86		.13	.02				.32	.39	.03		.26	.41						.61	.21		3.61		
Berwindale ¹	W. Br. Susq.	.18	.13		.06				.81		.49	.32	.16					.61	.42	.97		.77							.20	.40	.59		6.11	
Bethlehem	Lehigh	T.		.03					.03	.19	.02	.26		1.20					.09	.30		.01							.06	.39			2.58	
Bloomsburg	Susquehanna			.02						T.	.50		.12	.05				.04	.13	.14		.17						T.	.06	.17		2.34		
Blossville	Lower Susq.																																	
Buffalo Mills ²	Potomac		1.00	.60	.10				.20		T.	T.		.23	.14			.25	.58	.26		.84							.34	.19	.24		4.97	
Carlisle	Lower Susq.	T.	.19	T.	.16				T.		T.	T.		.38	.09			T.	.05	.40	.32	.09	.40						.02	.10	.39		2.59	
Carter Camp ¹	W. Br. Susq.	.17	.03	.07							.10	.12		.70					.07	.06		.30	.16						.41	.20			2.89	
Center Hall	Susquehanna		.06		.18					.14	.22		.11					1.01		.50	.36	.32											\$	
Chambersburg ²	Potomac		.65	.12					.05	.05	.02	.01		.28					.34	.98		1.10							.16	.26	.05		4.02	
Clearfield ²	W. Br. Susq.		.06	T.	.07				1.02		.40	.04		.22				.64	.35	.53		.50								.17	.90		5.90	
Coatesville	Lower Del.		.08	.26						.42	1.93	.20	2.48	.33					.46	.34		.19								.03	.55		7.27	
Colebrook	Lower Susq.	T.	.20		.03				T.	T.	.03	.35		.33	.32			.04	.25	.06	T.	.24								.06	.33		3.24	
Conshohocken	Schuylkill											.15	.06		.83	.15	.05		.05			.10	.38		T.					.15			1.96	
Covington ²	N. Br. Susq.			.10					T.		.03	T.	.46	.19	.11			.48	.20	T.		.25								.04	.12		4.00	
Doylestown	Lower Del.		.02	.10					T.		.03	T.	.46	.19	.11			.48	.20	T.		.25								.04	.12		4.00	
Driftwood ¹	W. Br. Susq.		.03	.10			.05	.09		.25	.05		.34						.10	.02		.16								.53	.23		1.85	
Du Bois	W. Br. Susq.	T.	.05	.10	.05			.68	.09	.08	.11		.38	.03				.23	.25	.01	.08	.19							.25	.12			2.73	
East Waterford ²	Middle Susq.		.15	.06	.07	T.					.26		.23					.23	.24	.59		1.03							.58	.22			3.66	
Emporium	W. Br. Susq.		.07					.10	.55	.25	.07		.75									.32							.43	.23			2.77	
English Center ¹	W. Br. Susq.			.06	.02					.15			.17						.07			.10	.03						.39	.49			1.43	
Ephrata	Lower Susq.	.01	.07	.11				.21		.03	.16	T.	.72	.25				.06	.27	.30		.16								.40			6.37	
Fredericksburg ²	Schuylkill		.05		.05	T.			T.		.09	.02		.72				1.78	.01	.29		.04											3.05	
Freeland ²	Lehigh	.20	T.		.05	T.				.27	.65		.70					.01		.32	.13	.01		T.						.40			2.74	
Galeton	N. Br. Susq.			.06	T.				T.		.10	.06	.69	.06	T.			.05	T.	.12		.15	.88							.05	.17		3.98	
George School	Lower Del.			.08					T.	T.	T.	.32	.24	.21				.31	.23	.14		.02								.04	.85		3.44	
Gettysburg	Potomac	T.	.61						T.	T.	.99	.14	T.	.47				.30	.16	.32		.03	.55						.11	.27	.12		4.07	
Girardville ²	Lower Susq.	T.	.01		.08				.01		.11	.40		.31				.10	.16		T.	.06								.06	.30		1.60	
Gordon	Lower Susq.	.11			.09				.14	.08	.50		.25	.20								.17								T.	.76		2.30	
Gouldsboro ²	Lehigh			.02								.09		1.02		T.					.12	.02								.08			1.35	
Graterford	Schuylkill		.06		.08				T.		.17		.23	.19	.18			1.56	.03											.07			4.57	
Hanover	Lower Susq.	.01	.28		.05				.14	2.00	.07	.21	.39					.07	.15	.49		T.	.70						.09	T.	1.60		6.25	
Harrisburg ¹	Lower Susq.	.02	.04	T.	.06				T.		.02	T.	.43	.29				.18	T.	.54	.07	.39	.06							.15	.19		2.44	
Hawley ²	Upper Del.	.33		.18					.09		.60		.46					.24			.10	.03		.01	.03	.04					.60			2.71
Hollersville ²	Upper Del.	2.46	T.	.07					T.		.34		.25							.03											.64			3.79
Holtwood ²	Lower Susq.		.52	.02	.02	T.			T.	T.	.09	1.75	2.52					.20	.43	.14	.08	.29	T.						T.	.10			6.16	
Huntingdon	Juniata	T.	.32					.58		.50	T.	.30	.05					.28	.43	1.11		.41	.37						.10	.43	.17		4.62	
Huntsdale ¹	Lower Susq.	.18	.26		.24				T.		.35		.35					.23	.08	.60		.85							.02	.40	.20		3.41	
Hyndman ²	Potomac		1.04	.69	.17					.07	.21	.05	.27	.01				2.20	.79	.15		.79							.05	.68	T.		7.18	
Kylertown ²	W. Br. Susq.	T.	T.	T.	.03			.51	.07	.21	.05	.27	.01					.32	.54	.02	.34	.28							.04	.37	1.83		4.86	
Lakeville ²	Upper Del.		.08	.06	.20			.62		.01	.52		.38		.03			T.	.38	.27		.11	.16						.02		.41		2.60	
Lancaster	Lower Susq.	.02	.07		.35				T.	T.	.59	.80	.46					T.	.38	.27		.27								.44			3.65	
Lansford ²	Lehigh	.02	.07		.03					.04	.93		.70					T.	.35			.03		.17						.73			2.98	
Lawrenceville	N. Br. Susq.			T.					.05	.30		.64	.20	.36					.12			.22								.68			2.57	
Lebanon ²	Lower Susq.	.46	T.	.03	T.				T.	</																								

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Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage (continued)																																	
Sellersville ¹	Lower Del.								.09	*	*			2.01	.03			1.13	.26	.33	.01									.10	.13	4.09	
Shade Gap ¹	Middle Susq.	.30	.44	.07	.09				*	*	*	.52	*	.06	.01				.11	.77			1.82	.20					.71	.49	.13	5.72	
Shawmont	Schuylkill		.03		.09					.10		.01	.24	.51	1.16				.20	.15	.35								.05	.45	3.34		
Shippensburg	Lower Susq.		.80		.15							.02	T.	.10	.09				.25	.45	.28		.10	.78					.05	.33	.83	4.23	
State College	W. Br. Susq.	T.	.15		.06				.23	T.	T.	.79		.22				.58	.84	.53	T.		.24	.37					T.	.77	.38	5.16	
Stroudsburg ²	Upper Del.																															1.60	
Sunbury ²	Lower Susq.		.11	T.	.03				.15			T.	.51		.28				T.	.05	.10	T.		.33							.04	1.60	
Susquehanna ²	N. Br. Susq.				.07				.42		.11	.95		.69		.15				.01	.47		.08				.22					.19	3.36
Towanda	N. Br. Susq.		T.	T.	.07					.02	.51			.19	.18	.44				T.	.33		T.	.06	T.						T.	1.19	2.99
Weikert	Lower Susq.	.05	.05		.20						.52			.15					.24		.05			.30						.24	.31	2.11	
Wellsboro	N. Br. Susq.				.10							.03	.52		1.05	.01	.03		T.	T.	.02	.08		.27							.21	2.32	
Ohio Drainage																																	
Wernersville ² [nr]	Schuylkill		.04			.04				T.	T.		.03		.90		.09		.49												.04	1.63	
West Chester	Lower Del.	.02	.09		.18				T.	T.	.17		.27	.51	1.39				.41		.12			.13					.40	.19	3.88		
Westgrove ²	Lower Del.		.27	.02	.05	.07				.06		.23	.58	2.75					.17	.54	.11			.22								5.55	
Wilkes-Barre ² **	N. Br. Susq.				.10				T.			.46		.10	.07				T.	T.	.06		T.	T.					T.	.28		1.09	
Wilkes-Barre ² †	N. Br. Susq.	.08	T.		.04				.03			.37		.20	T.				T.	.01	.08	.11		T.								0.83	
Williamsport	W. Br. Susq.		.26	.03	.08						T.	.34	T.	.15				T.	.01	.08	.11		.19								.85	2.10	
Williamstown	Lower Susq.	1.80			.06						T.		.25	.19	.12				.05	.04	.10		.20								.07	2.87	
York	Lower Susq.	T.	.19		.03				.06			.93	.18	.42	.56			1.07	.21	.09			.46							.02	.04	4.26	
York Haven ²	Lower Susq.		.05	.03	.08						.03	.50		.82					.26	.24	.10		.27								.20	2.58	
Zionsville (near)	Schuylkill		.03		.12	.06					.13	.10		1.90				1.94		.37											.20	4.85	
Trenton, N. J. ¹	Lower Del.	T.	T.		.13				.30		T.	.11		.85	.25			.47	T.	.24	.02			T.			T.	T.		19.40		6.56	
Allegheny Drainage																																	
Acmetonia ²	Allegheny	.04	.07	.17	.86					.95		.30			.30					.62	.23	.06		.40					.64	.24	.20	5.08	
Beaver Falls ²	Beaver	.05	.16	.77	1.84				.21	.49	T.	.02		.96					.07	.47	.04	.05		.67					.79	.04	.39	7.02	
Blairsville ²	Allegheny		.27	.30	.42				.03	.11	.31	.03	.27		.14				.04	.29	.22	.08		1.14					.06	.08	.46	5.25	
Bradford	Allegheny		.04		.05				.01	.02	.90	.10	.27	.43	.35		.23	.03		.03	.03	.08		.70					.02	.05	.63	3.60	
Brookville ²	Allegheny	.06	.06	.03	.09					.27	.63	.08			.82				.62	.12	.21	.06		.14	T.						.06	3.27	
Buckstown ¹	Allegheny	.59	.61	.19	.15				.33					1.00					.47	.30	.20		.61	.24					.67	.29	.24	5.89	
Butler ²	Ohio	.10	.19		.33				.09	.62	.03				.55		.45	.50	.11	.13		1.16	2.47						.30	.01	.13	7.17	
Chambersville	Allegheny	.02	.02	.14	.02				1.15	.15	.31	.13		.07	.02				.10	.44	.08		2.72	.08					.07	.19	1.01	6.72	
Clairton ³	Monongahela	.05	.15	.38					.80	T.	.36			.17					.42	.30	.16		1.00	.08					1.98	.31	.59	6.75	
Clarion ²	Allegheny		.10	.03	.43				.18	.16		.36			.84			.03	.19	.12	.03		.23								.09	2.79	
Claysville	Ohio	.05	.03	1.03	.53				.76	.18	.20			.17	.01				.82	.42	.07	T.	.62	.60						1.28	2.21	.40	9.38
Confluence ²	Youghiogheny	1.30	.15	.87	T.				.21	T.	T.			.03	.93				1.33	.88	.10		.94						1.21	1.60	.56	9.11	
Connellsville ²	Monongahela	T.	.48	.11	.09				.46	T.	T.			.20				.16	.58	.43	.01		.90						1.44	.15	.49	6.50	
Coraopolis ²	Ohio	.15	.22	.13	.42				.02	.69	.06			T.	.32			.09	.56	.13	.04		.10						1.40	.17	.29	4.69	
Corry	Allegheny			.18	.13				.12	.14	.12	.15		.29					.40	.18		.90	.20									3.22	
Coudersport	Allegheny								.15	.04				.95					T.	.34		1.40								.43	.06	3.37	
Derry	Conemaugh	T.	.19	.19	.06				.74	.29	.10	.14		.03	.02				.55	.27	.32		1.02	.87					.47	.09	1.11	7.68	
Donora ²	Monongahela	.06	.12	.65	.52				1.29	.01	.21	T.		.10					.55	.57	.02		.27	.03					1.92	.97	.39	7.68	
Dunlo	Allegheny	.15	.38	.09	.37				.35					.63	.07				.61	.30	.10		1.11	.10					.29	.07	.41	5.03	
Ebensburg	Conemaugh	.02	.60	.07	.14				.07		.42	.03		.32	.07			1.32	.58	.18		1.20	.89						.20	.70	.59	7.40	
Franklin ²	Allegheny	.02	T.	1.00					.03	.12	.08	.32	T.	.53					.14	.05	.09	.02		.14								2.54	
Greensboro ²	Monongahela	.02	.69	.44	1.82					.60	.02	.03	T.		.53			.04	1.19	.66	.03		.89						.85	.39	.67	8.87	
Allegheny Drainage (continued)																																	
Greensburg	Youghiogheny	T.	.27	.25	.13				1.01	.63	.77	.04		.15					.21	.45	.10		.53	.12					1.05	.34	.49	6.59	
Greenville	Beaver	T.	T.	1.07	.95				1.08		.35	.11		.45	.08				.28	.12		.05	.20						.04	.26	.25	5.79	
Grove City	Beaver	.02	.16	.88	1.01				.92		.09			T.	.33				.58	.30	.16		.33	.03						.04	.26	.25	5.36
Irwin	Monongahela	.24	.11	.47	.14				1.00	.12	.10	.14		.07	T.				.07	.75	.06		.63	.13					1.22	.06	.92	6.25	
Johnstown	Conemaugh	.01	.76	.19	.16				.47		.04	.02		.59	.02				.31	.58	.06		1.01	.07					.38	.59	.58	5.84	
Kane Forest Sta. ¹	Allegheny		.01	T.	.05				.06	.35	.58	.02		.57	.11				.22	.12	.22		.18	.81						.60	1.79	5.69	
Kregar ²	Youghiogheny	.30	.19	.77	.02				1.31					T.	*					.35	.12	.15		.56					1.36	.40	.57	.68	7.19
Lake Lynn ²	Monongahela		1.06	.77	.63				.64	.02	.02			.47					.20	1.30	1.26	.02		.70					.43	.33	.42	8.27	
Linesville ²	Beaver				1.50				.32	.05	.04		.07	.45					.19	.02	.10	T.	.08	.95						.98	.18	.98	6.89
Lock No. 4 ²	Monongahela	.03	.12	.25	.87				1.66	.02	.17			.11				T.	.88	.10	.04		.50									3.91	
Lock No. 5 ²	Allegheny	.01	.21	.30	.29				.12	.82		.64		T.	.35				.68	.12	.06		2.00						.27	.06	.07	7.00	
Lycippus	Conemaugh	.04	.25	1.70	.50				1.00	.																							

Daily Temperatures for June, 1939

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona.....	Maximum.....	82	73	67	77	82	84	81	86	84	78	87	76	68	68	80	86	91	79	61	77	83	78	76	78	79	76	79	76	76	76	78.1
Altoona.....	Minimum.....	62	69	57	66	44	66	48	59	64	65	68	58	56	55	44	82	66	67	52	55	56	62	64	48	65	50	51	59	66	62	56.6
Bedford.....	Maximum.....	90	76	68	78	83	87	86	90	89	87	90	85	83	70	85	92	94	89	62	78	86	86	78	80	82	81	81	80	82	80	82.6
Bedford.....	Minimum.....	61	60	57	61	45	62	54	73	74	65	60	61	63	68	49	65	65	57	65	61	55	63	63	60	55	63	54	64	64	66	59.4
Bethlehem.....	Maximum.....	94	75	80	81	84	84	81	92	92	91	91	90	82	75	80	89	97	88	86	86	89	87	85	83	84	84	81	77	89	89	85.6
Bethlehem.....	Minimum.....	69	67	68	58	68	66	49	58	73	60	64	67	62	64	62	64	67	67	69	60	66	60	64	59	64	57	63	63	66	68	61.7
Bloomsburg.....	Maximum.....	88	76	75	80	83	86	80	89	89	78	91	77	76	72	78	87	94	77	64	80	86	84	82	81	81	83	84	82	86	86	81.7
Bloomsburg.....	Minimum.....	63	60	63	60	45	67	42	55	62	64	57	69	54	59	47	66	62	68	59	62	54	62	65	50	66	49	64	68	63	67	57.0
Brookville.....	Maximum.....	89	83	77	76	81	86	89	85	85	74	73	66	58	70	65	85	90	72	69	80	82	83	64	63	80	58	63	84	81	79	75.6
Brookville.....	Minimum.....	49	59	59	69	39	45	46	56	64	56	57	68	54	53	38	50	60	60	54	57	45	66	61	41	47	44	49	57	62	67	53.4
Butler.....	Maximum.....	92	89	80	79	87	89	92	86	86	87	86	81	79	70	78	86	92	89	80	79	90	84	77	83	84	81	92	87	86	80	84.3
Butler.....	Minimum.....	60	65	61	49	44	54	53	64	67	71	55	48	57	62	43	63	66	65	59	64	53	64	64	48	50	50	55	63	63	68	57.9
Carlisle.....	Maximum.....	95	75	73	82	86	93	85	95	92	88	96	85	80	80	82	95	97	95	64	82	89	87	85	86	84	81	84	80	84	88	85.6
Carlisle.....	Minimum.....	68	58	52	62	49	56	52	57	70	62	63	64	68	66	60	65	70	61	65	64	60	62	66	65	60	55	57	64	68	69	60.9
Chambersburg.....	Maximum.....	89	78	71	82	84	93	84	93	90	89	91	84	77	78	84	96	96	89	64	80	89	90	84	86	84	83	80	76	84	84	84.4
Chambersburg.....	Minimum.....	66	66	61	63	48	60	55	58	68	67	68	66	60	64	51	67	73	60	65	60	57	66	67	55	56	55	58	63	67	69	61.3
Chambersville.....	Maximum.....	89	74	78	74	82	86	88	84	84	83	86	77	72	70	82	85	92	88	64	81	85	87	76	79	81	80	87	82	81	79	81.2
Chambersville.....	Minimum.....	59	64	61	62	42	50	54	62	64	65	63	55	56	64	43	62	65	62	66	61	51	63	64	45	50	49	54	64	65	61	57.5
Claysville.....	Maximum.....	86	82	80	75	82	87	89	87	81	82	80	76	72	69	83	89	90	88	77	83	85	86	75	77	84	82	89	82	80	80	81.9
Claysville.....	Minimum.....	49	63	62	60	44	53	55	64	64	64	67	64	56	63	46	63	67	66	61	67	62	65	63	47	51	53	57	65	65	65	59.0
Clearfield.....	Maximum.....	88	77	74	79	82	89	90	87	86	84	86	78	72	72	83	87	91	86	61	81	86	86	74	80	80	83	86	84	84	80	81.9
Clearfield.....	Minimum.....	57	63	58	60	41	53	48	57	66	66	59	58	59	56	55	44	63	64	68	52	69	51	66	63	47	51	49	50	60	63	56.5
Coatesville.....	Maximum.....	83	71	80	81	84	89	81	94	91	90	91	81	84	76	80	92	97	77	64	86	85	87	86	84	80	82	82	76	79	88	83.4
Coatesville.....	Minimum.....	63	53	53	65	62	60	46	53	70	69	64	61	69	61	52	62	71	68	64	62	64	57	63	54	61	54	60	67	61	65	59.1
Corry.....	Maximum.....	83	82	79	77	83	85	91	86	84	83	80	75	65	72	78	84	80	72	69	81	85	87	73	81	80	83	90	88	84	82	80.7
Corry.....	Minimum.....	53	60	58	60	43	51	48	60	59	55	58	52	43	47	40	51	67	56	53	57	47	55	58	46	47	53	62	63	62	62	53.2
Coudersport.....	Maximum.....	90	75	82	76	90	83	88	80	86	88	76	84	68	80	82	81	84	64	61	74	78	80	84	86	72	80	84	82	78	74	79.6
Coudersport.....	Minimum.....	50	60	62	50	45	38	36	53	50	44	46	55	50	50	52	54	57	36	54	56	54	60	62	64	40	44	50	42	60	64	51.3
Donora*.....	Maximum.....	82	80	81	80	86	90	92	88	88	85	85	78	69	72	86	93	93	78	77	86	88	88	79	82	88	88	94	83	84	78	84.0
Donora*.....	Minimum.....	69	67	66	68	53	60	60	68	67	71	69	61	58	53	67	71	67	66	66	63	69	60	54	59	58	62	68	69	64	64	63.4
Ebensburg.....	Maximum.....	84	74	74	77	83	82	84	76	78	79	78	68	68	79	83	85	87	82	75	81	80	72	73	79	80	78	74	71	76	71	76.9
Ebensburg.....	Minimum.....	59	58	55	56	46	53	51	60	60	51	62	64	54	52	41	64	65	51	51	48	55	61	61	64	62	55	58	63	64	64	56.5
Emporium.....	Maximum.....	83	78	70	76	84	86	86	87	84	86	86	79	71	69	82	83	90	.....	80	84	80	78	79	80	85	86	80	80	80	80	81.0*
Emporium.....	Minimum.....	60	61	56	59	43	48	41	55	62	53	58	69	65	53	44	62	62	.....	50	50	53	63	47	49	49	51	58	62	60	64	54.6*
Ephrata.....	Maximum.....	92	73	81	85	89	91	88	96	93	88	96	86	86	80	82	94	100	93	65	86	91	91	87	87	81	86	87	85	84	90	87.1
Ephrata.....	Minimum.....	66	56	52	59	49	57	49	60	72	61	65	65	60	66	52	64	71	60	57	64	60	60	66	55	60	54	64	63	67	69	60.8
Erie*.....	Maximum.....	69	79	80	70	75	76	89	80	78	83	76	68	58	66	78	80	80	74	69	77	79	87	72	74	76	77	83	80	81	79	76.3
Erie*.....	Minimum.....	57	58	64	58	61	64	61	69	67	62	59	63	51	54	55	59	60	58	62	65	62	65	59	60	58	61	66	71	71	68	61.4
Franklin.....	Maximum.....	79	73	75	72	80	83	87	76	85	78	80	71	64	70	80	84	83	75	72	78	80	70	76	75	82	88	81	80	76	76	77.9
Franklin.....	Minimum.....	56	61	62	59	46	48	51	55	67	60	60	56	52	52	44	48	65	63	58	59	62	54	64	48	50	53	55	59	67	66	56.3
Freeland.....	Maximum.....	83	69	72	76	79	78	78	86	86	81	83	73	72	68	72	80	86	76	58	78	80	77	78	77	74	76	76	78	74	79	76.8
Freeland.....	Minimum.....	64	54	53	54	52	60	47	57	74	60	60	57	66	53	48	64	65	54	52	55	54	56	63	52	53	52	59	60	61	65	57.1
George School.....	Maximum.....	91	80	79	77	85	88	81	92	92	88	94	90	83	77	80	89	96	81	63	81	87	81	87	83	81	81	79	79	74	85	83.5
George School.....	Minimum.....	66	58	58	58	50	63	46	56	70	60	66	65	61	66	52	65	67	57	60	63	62	64	56	62	56	61	61	62	70	70	60.6
Gettysburg.....	Maximum.....	92	81	70	82	84	92	90	93	91	88	91	82	81	79	81	92	94	93	65	81	88	87	84	84	83	81	77	78	83	83	84.4
Gettysburg.....	Minimum.....	66	65	59	62	52	61	59	60	71	67	65	65	60	66	53	68	76	68	55	66	62	65	65	73	76	57	63	66	69	69	63.5
Gordon.....	Maximum.....	88	70	75	80	82	87	82	89	88	80	88	77	79	72	76	87	93	81	61	79	84	83	81	84	78	80	83	84	76	85	81.1
Gordon.....	Minimum.....	59	55	54	59	41	50	40	62	66	49	62	54	51	59	42	59	62	65	55	61	54	49	64	49	53	46	57	59	65	65	54.9
Greensburg.....	Maximum.....	81	74	78	74	79	84	88	84	83	81	80	75	71	68	82	88	88	86	70	80	85	85	76	77	82	84	90	84	79	77	80.4
Greensburg.....	Minimum.....	66	65	62	63	48	56	65	66	66	67	57	58	56	47	64	69	64	59	68	58	59	65	51	58	55						

Daily Temperatures for June, 1939—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Port Clinton.....	Maximum....	92	83	76	80	84	86	88	92	92	90	90	91	80	78	75	89	94	95	63	83	85	87	84	84	82	82	83	83	81	85	85	84.4	
	Minimum....	59	55	53	53	45	54	42	54	60	52	61	57	54	64	47	61	63	57	58	61	58	51	65	51	58	49	62	59	72	69	56.8		
Quakertown.....	Maximum....	89	75	77	79	84	85	77	92	90	86	93	87	81	73	77	87	94	85	63	85	83	81	84	81	79	78	80	78	75	86	82.1		
	Minimum....	64	56	56	57	42	65	41	56	58	52	63	60	55	64	48	64	64	55	58	62	62	52	64	52	59	50	60	58	62	68	57.6		
Reading*.....	Maximum....	82	75	78	79	83	86	80	90	88	82	89	81	80	73	77	90	96	64	64	82	86	84	83	81	78	81	80	79	75	86	81.1		
	Minimum....	60	56	58	58	57	63	53	63	71	64	65	67	64	60	54	68	62	57	58	64	65	63	66	60	64	58	63	64	65	66	61.9		
Retreat.....	Maximum....	86	75	77	77	81	81	80	88	88	76	90	76	73	69	77	83	89	74	74	81	83	81	83	86	81	78	83	84	81	86	80.7		
	Minimum....	63	60	55	58	45	59	43	54	65	52	57	57	53	59	48	65	61	60	48	59	57	53	61	55	54	49	52	64	54	68	56.3		
Ridgway†.....	Maximum....	90	81	72	74	75	83	85	89	84	84	79	84	72	65	69	80	84	90	65	71	79	84	81	72	76	78	80	85	85	82	79.3		
	Minimum....	56	59	59	56	40	46	45	55	62	57	57	57	53	52	40	48	63	59	52	55	47	51	64	43	48	46	48	55	64	64	53.4		
Scranton*.....	Maximum....	80	73	80	76	83	75	81	89	86	78	92	78	69	69	78	79	86	68	66	85	84	83	81	81	73	79	84	87	77	87	79.6		
	Minimum....	65	59	61	58	49	57	47	56	62	54	60	62	57	53	48	65	63	60	60	66	55	55	63	54	59	52	63	62	69	67	58.7		
Selinsgrove.....	Maximum....	85	78	71	81	83	88	81	90	90	85	90	77	76	73	80	90	94	78	63	80	87	85	81	81	81	82	83	84	78	86	82.0		
	Minimum....	63	60	56	60	46	57	43	59	70	57	59	62	56	55	59	48	64	66	58	57	62	56	57	67	52	58	51	56	63	67	66	58.5	
Somerset.....	Maximum....	82	69	69	72	77	79	85	80	82	78	81	74	70	64	78	85	82	82	64	76	81	78	69	71	74	74	83	78	76	73	76.2		
	Minimum....	53	61	56	60	37	48	47	55	62	62	56	55	51	53	40	61	60	59	54	61	50	59	62	41	48	44	50	63	61	62	54.4		
Springs.....	Maximum....	78	65	65	70	77	79	83	83	78	80	83	70	67	63	80	84	83	75	66	75	80	80	71	73	76	75	82	70	74	74	75.3		
	Minimum....	57	58	56	58	39	47	49	54	64	58	55	52	52	41	58	62	56	54	64	52	59	60	42	52	47	51	61	55	56	56	54.1		
State College.....	Maximum....	79	74	67	78	82	87	83	87	87	79	88	74	68	71	80	86	91	76	63	80	85	81	75	78	79	80	82	80	78	81	79.3		
	Minimum....	63	59	58	59	52	54	48	59	64	60	60	59	58	56	47	54	70	57	63	80	85	81	75	78	79	80	82	80	78	81	79.3		
Stroudsburg†.....	Maximum....																																	
	Minimum....																																	
Towanda.....	Maximum....	81	75	77	78	86	76	84	90	87	72	93	78	68	71	79	80	84	68	71	88	84	84	81	81	75	81	88	90	78	87	80.5		
	Minimum....	68	60	51	59	47	56	37	54	62	48	53	61	50	53	43	62	60	57	58	61	53	48	61	49	52	48	48	58	67	65	55.0		
Uniontown.....	Maximum....	85	79	80	76	81	86	88	87	84	85	84	78	73	68	84	91	92	85	76	82	86	86	78	79	84	83	89	83	81	77	82.3		
	Minimum....	68	67	64	63	48	55	60	66	66	67	66	60	60	56	50	69	70	67	61	70	64	69	66	52	59	57	66	66	65	65	62.7		
Vandergrift*.....	Maximum....	84	74	81	79	86	89	91	89	87	85	88	80	71	73	86	88	96	82	68	85	88	86	77	69	64	68	88	82	82	80	81.5		
	Minimum....	64	62	61	54	48	54	57	65	67	67	67	59	58	52	48	64	67	62	60	61	57	65	56	51	55	53	57	67	68	64	59.7		
Warren.....	Maximum....	80	80	75	74	81	83	87	83	82	79	81	71	67	67	78	81	80	68	65	79	83	83	70	77	76	79	85	87	82	80	78.1		
	Minimum....	57	64	61	56	45	51	49	60	60	57	65	57	51	51	44	58	65	59	57	61	51	57	54	47	52	49	54	63	66	65	56.2		
Waynesburg.....	Maximum....	79	78	79	76	82	87	88	85	85	83	80	75	70	69	84	90	91	88	79	82	87	85	76	77	84	83	90	84	82	72	81.9		
	Minimum....	67	66	63	62	46	53	57	65	64	67	71	57	58	53	48	65	69	65	62	69	66	68	65	50	59	54	59	67	65	65	61.8		
Wellsboro.....	Maximum....	82	75	71	75	83	75	85	86	85	80	87	77	69	70	77	80	81	62	81	84	83	74	79	77	75	84	88	78	80	78.2			
	Minimum....	59	64	50	57	43	56	39	56	59	52	56	59	55	52	44	61	61	56	56	60	48	51	65	48	49	48	51	54	64	65	54.6		
West Chester.....	Maximum....	88	70	84	84	84	90	81	92	91	90	92	82	85	76	81	83	96	88	65	84	86	88	86	83	81	81	81	75	76	87	83.7		
	Minimum....	70	54	53	56	51	58	50	56	72	63	67	63	63	65	55	66	73	59	58	64	65	60	65	58	61	58	63	59	63	68	61.2		
Wilkes-Barre.....	Maximum....	83	76	80	78	84	79	82	90	88	78	92	79	73	71	78	81	88	75	67	85	85	84	85	72	76	82	84	88	79	88	81.0		
	Minimum....	65	62	59	60	46	60	49	54	67	52	56	56	54	57	46	66	63	60	61	64	52	54	69	50	57	51	58	61	68	69	58.2		
Williamsport.....	Maximum....	86	74	72	79	84	84	83	89	88	82	91	77	75	71	81	87	91	76	62	81	87	85	79	81	80	80	86	87	78	83	81.3		
	Minimum....	62	62	54	60	48	62	44	57	67	56	57	63	55	57	42	67	63	59	59	61	55	54	66	53	54	50	52	61	69	66	57.8		
Williamstown.....	Maximum....	89	69	69	75	90	86	84	89	88	93	91	88	75	73	75	90	93	90	69	78	85	87	81	81	83	82	81	83	82	85	82.5		
	Minimum....	64	51	53	53	56	64	49	58	66	61	60	61	58	57	51	65	63	52	53	56	58	59	63	53	56	51	58	60	61	65	57.8		
York.....	Maximum....	93	77	77	81	85	92	90	93	92	88	92	82	82	76	78	93	95	92	67	83	87	87	87	84	83	81	80	78	79	86	84.5		
	Minimum....	64	56	58	62	48	54	55	57	68	62	63	61	59	66	51	56	70	58	56	64	49	60	66	53	58	57	61	62	66	70	59.7		

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. *, †, ‡, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	Percentage of sunshine
Erie.....	29.96	30.22	21	29.60	11	8.1	24	sw.	12	75	69	68	63
Harrisburg.....	29.98	30.24	3	29.67	11	7.6	34	sv.	11	71	52	61	62
Philadelphia.....	29.98	30.26	27	29.63	30	11.8	31	n.	6	72	56	61	65
Pittsburgh.....	29.99	30.21	21	29.70	30	9.1	34	nw.	8	81	63	68	51
Reading.....	29.98	30.24	3	29.65	30	10.3	44	e.	17	73	54	60	54
Scranton.....	29.98	30.24	27	29.62	30	6.4	25	nw.	6	69	47	57	53

* For any five-minute period.

† Corrected to true velocities

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.....	Delaware.....	2.2	2.5	13	1.6	26	18
Easton ..	Delaware.....	1.3	2.1	15	0.6	27	22
Lehighton	Lehigh.....	.....	.....	1	.....	.....	9
Wilkes-Barre.....	Susquehanna.....	2.1	2.8	1	1.6	30	23
Williamsport.....	Susquehanna.....	1.2	2.4	25	0.8	18	20
Harrisburg.....	Susquehanna.....	3.5	4.0	25	3.4	11	18
Greensboro.....	Monongahela.....	12.2	18.9	20	10.3	18	80
West Newton.....	Youghiogheny.....	1.4	4.9	30	0.0	2	20
Lock No. 4.....	Monongahela.....	13.0	18.1	20	10.9	1	80
Pittsburgh.....	Ohio.....		16.8	24	16.1*	7	25
Midland.....	Ohio.....		16.1*	8	9.3*	18	80

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

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GENERAL SUMMARY.

Temperatures in July were mostly near the normal, the average for the State showing a deficiency of one-half degree. This deficiency resulted from a moderately cool week that began on the 15th. The greatest departures occurred in the southwestern counties. There was no intense heat in any part of the State during the month. The rainfall was considerably below the normal. There was very little rain in the State from the 15th to 26th inclusive, and a drought condition developed during that 12-day period that was very harmful. Preceding the drought the rains were heaviest in the western, and especially in the southwestern counties, where early in the season it had been very dry. The July rainfall was lightest in Pike and Wayne counties, but was far below the normal in Luzerne, Carbon, and Schuylkill counties, none of them being heavy crop producers. From the 27th to 30th, inclusive, good rains brought temporary relief to nearly all parts of the State. However, there were only a few stations, chiefly in the western counties, where these rains were enough to balance the shortage that had accumulated. Good crops of wheat, rye, and barley were harvested late in June and early in July, and the dry period favored threshing from the fields with practically no losses. Pastures became very short before the drought was relieved, and yields of timothy and clover were light. Alfalfa did not suffer much, and a fair yield was cured in excellent condition. Oats ripened on very short straw, and a considerable portion of the crop was mowed for feed. However, the grain filled well, and in several regions the yields were reported to be better than was expected. The digging of early potatoes was started near the end of the month, and yields and quality were generally disappointing. The growth of the late crop was slowed up, and the outlook at the end of the month was not promising. Truck crops suffered severely, and in general the loss in quality was more than the loss in yield. Orchard fruits dropped from the trees more than usual. Peaches started to mature rather small. Early apples were mostly of fair to good quality. About the usual number of severe local storms occurred, most of them being in the four days rain near the end of the month. Erie reported a storm on the 13th, in which three persons nearly lost their lives, and the property damage exceeded \$50,000. More than 200 large trees were destroyed, and wire service suffered severely. On the 30th a large amount of damage, mostly of a minor character, occurred in the region of Doylestown. Creeks overflowed and washed out several small bridges. Oats in the shock were drenched, and considerable corn was blown down. The damage was of such a character that accurate estimates could not be made, but the total was many thousands of dollars.

TEMPERATURE.

The mean temperature for the State, as deduced from the re-

ports of 93 stations, was 71.7° , which is 0.5° below the 52-year normal for July. The highest monthly mean was 78.6° at Marcus Hook, and the lowest was 62.6° at Mt. Pocono. Extremes of temperature ranged from a maximum of 100° at Ephrata on the 25th to a minimum of 36° at Ridgway and Somerset on the 16th, and at Kane Forest Station on the 17th and 18th. The greatest daily range in temperature was 51° at Hawley on the 23d.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 190 stations, was 3.12 inches, which is 1.15 inches below the 52-year normal for July. The greatest monthly amount was 8.23 inches at Smethport, and the least was 0.49 inch at Paupack. The greatest amount for any 24 consecutive hours was 4.28 inches at Millville on the 27th.

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	69.2	97	38	3.45	.....	8	15	10	6
1889.....	71.6	96	39	6.80	.....	13	12	10	9
1890.....	70.7	101	33	3.52	.....	8	13	11	7
1891.....	67.8	97	34	6.32	.....	13	11	10	10
1892.....	73.1	103	38	3.93	.....	10	15	11	5
1893.....	72.1	102	36	3.15	.....	10	15	12	4
1894.....	73.8	103	31	2.32	.....	7	15	11	5
1895.....	69.1	102	34	3.24	.....	9	12	12	7
1896.....	72.8	98	40	6.89	.....	14	10	11	10
1897.....	73.4	103	41	6.26	.....	14	10	11	10
1898.....	74.8	107	33	3.36	.....	9	12	12	7
1899.....	72.3	101	35	3.91	.....	10	12	11	8
1900.....	74.0	104	35	4.86	.....	11	14	12	5
1901.....	76.4	107	45	3.88	.....	11	10	13	8
1902.....	71.8	99	41	6.04	.....	15	10	12	9
1903.....	71.2	98	35	5.36	.....	12	13	12	6
1904.....	70.6	99	34	4.68	.....	13	12	11	8
1905.....	72.6	99	39	4.87	.....	15	10	12	9
1906.....	71.3	95	38	4.31	.....	10	12	13	6
1907.....	71.5	96	34	3.84	.....	10	15	12	4
1908.....	73.9	104	39	4.81	.....	11	14	12	5
1909.....	69.7	98	34	2.14	.....	7	16	11	4
1910.....	72.8	99	41	2.42	.....	7	16	11	4
1911.....	73.7	105	36	2.81	.....	8	16	11	4
1912.....	71.3	100	36	5.29	.....	11	12	11	8
1913.....	71.8	101	40	4.16	.....	11	15	10	6
1914.....	71.3	101	38	4.19	.....	12	12	11	8
1915.....	70.7	98	40	5.28	.....	15	10	13	8
1916.....	74.3	98	37	4.45	.....	10	14	10	7
1917.....	72.1	105	40	4.33	.....	13	12	12	7
1918.....	70.1	99	35	3.05	.....	9	16	10	5
1919.....	72.6	104	34	5.90	.....	11	16	8	7
1920.....	69.5	96	33	4.37	.....	11	15	10	6
1921.....	75.9	104	45	4.13	.....	10	15	11	5
1922.....	71.9	98	38	3.68	.....	9	14	10	7
1923.....	71.0	100	32	4.24	.....	11	15	9	7
1924.....	69.7	97	34	3.42	.....	9	17	10	4
1925.....	70.5	101	32	5.57	.....	12	13	11	7
1926.....	71.8	105	35	3.82	.....	10	15	9	7
1927.....	71.7	100	29	4.97	.....	12	14	11	6
1928.....	72.8	96	40	5.44	.....	13	16	9	6
1929.....	71.8	99	33	2.81	.....	8	18	9	4
1930.....	73.0	106	33	2.23	.....	7	19	8	4
1931.....	75.2	105	39	5.28	.....	12	15	10	6
1932.....	72.0	100	36	3.39	.....	10	16	10	5
1933.....	72.5	104	35	4.26	.....	8	17	9	5
1934.....	75.5	107	40	4.01	.....	9	17	10	4
1935.....	75.0	104	42	5.63	.....	12	15	10	6
1936.....	73.5	111	37	2.88	.....	8	18	9	4
1937.....	72.4	101	37	4.47	.....	12	14	10	7
1938.....	73.2	100	40	4.81	.....	12	13	10	8
1939.....	71.7	100	36	3.12	.....	9	14	11	6
Period.....	72.2	111	29	4.27	.....	11	14	11	6

Climatological Data for July, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days			Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear		Pt. cloudy	Cloudy	Prevailing direction of wind
Atlantic Drainage.	Allentown.....	254	27	73.9	0.0	94	25	49	2	32	3.59	-1.02	1.32	0	11	19	11	1	e.	John A. Frick.
	Altoona.....	1,615	52	68.6	-2.4	88	8	42	16	34	4.68	+0.68	0.98	0	12	20	10	1	w.	Robert D. Goodfellow.
	Ardmore.....	350	19	75.0	+0.6	92	8†	54	23	32	2.16	-2.52	1.32	0	8	10	14	7	nw.	H. L. Balderston.
	Arendtsville.....	700	17	73.0	-1.4	95	25	48	16	36	1.66	-2.22	0.36	0	8	14	10	7	nw.	Harold J. Miller.
	Bedford.....	1,060	7	71.7	.....	90	8†	44	16	35	3.91	.....	1.14	0	7	13	8	10	w.	Charles C. Lee.
	Bethlehem.....	364	53	75.6	+0.5	99	25	51	23	33	2.88	-1.68	0.61	0	12	16	10	5	w.	Lehigh University.
	Bloomsburg.....	500	13	71.9	.....	94	25	45	3	37	1.83	.....	1.35	0	6	23	7	1	.....	Bloomsburg Water Co.
	Carlisle.....	467	70	74.6	-0.5	96	25†	51	17	34	2.73	-1.10	1.01	0	10	21	5	5	nw.	Prof. C. E. Miller.
	Chambersburg.....	580	42	74.2	-0.6	94	8†	50	17	33	4.95	+0.95	1.83	0	9	8	14	9	sw.	William B. Spear.
	Clearfield.....	1,120	38	69.4	-2.1	92	7	40	16	41	1.92	-2.64	1.08	0	6	2	25	4	sw.	Otto J. W. Eppers.
Ohio Drainage.	Coatesville.....	380	52	72.8	-1.9	97	23†	50	3	46	3.05	-1.51	0.69	0	10	11	7	13	sw.	Howard L. Pyle.
	Colebrook.....	560	27	71.8	-0.5	92	25	49	3†	33	1.68	-2.60	0.41	0	9	19	5	7	sw.	Wm. A. Rorer.
	Emporium.....	1,050	54	69.9 ^a	+0.1	93 ^d	7	42 ^d	16	37 ^d	3.38	-1.03	1.37	0	6	22	2	7	w.	E. M. Poorman.
	Ephrata.....	380	42	75.9	+1.0	100	25	52	17†	38	1.50	-2.88	0.89	0	6	10	15	6	s.	Ira J. Keath.
	Freeland.....	1,970	46	70.4	+1.4	93	25	48	16†	30	1.42	-3.49	0.72	0	10	1	29	w.	Andrew B. Evausha.	
	Georgetown School.....	190	33	74.3	+0.1	97	25	52	3†	36	2.05	-2.38	0.70	0	8	16	9	6	nw.	Prof. N. W. Swayne.
	Gettysburg.....	553	66	75.1	+0.6	95	8	53	17	32	3.01	-1.35	2.10	0	10	17	8	6	se.	Dr. Henry Stewart.
	Gordon.....	840	35	70.7	+0.2	93	25†	41	3	44	1.46	-3.40	0.44	0	5	25	4	2	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	1,875	24	.....	.....	.....	.....	37	17	.....	1.10	-3.35	0.75	0	6	27	0	4	w.	Steward W. Eilenberger.
	Hanover.....	600	35	74.6	-1.2	92	8†	52	16	31	4.37	+0.18	1.15	0	11	15	11	5	s.	Thomas Y. Cooper.
For the State.	Harrisburg.....	337	70	75.2	+0.4	96	25	51	3	37	1.63	-2.20	0.64	0	9	7	12	12	se.	U. S. Weather Bureau.
	Hawley.....	900	21	69.7	-0.7	97	25	59	23	51	0.62	-2.16	0.17	0	8	22	7	2	w.	Mrs. Della M. Pennell.
	Holtwood.....	200	24	76.0	-1.0	93	25	59	17	26	2.06	-1.71	0.62	0	8	12	8	11	nw.	H. W. Lowy, C. E.
	Huntingdon.....	650	52	70.8	-1.6	93	7	42	15	38	2.97	-1.09	1.04	0	9	14	13	4	w.	Prof. Paul R. Yoder.
	Kylertown.....	1,694	10	69.0	-1.0	88	25	43	16	33	1.58	-2.06	0.79	0	5	2	14	15	.....	U. S. Weather Bureau.
	Lancaster.....	255	52	74.0	0.0	95	25	49	3	38	4.18	-0.10	1.55	0	10	13	14	4	sw.	Supt. of Water Works
	Lawrenceville.....	1,000	42	70.1	-0.4	95	7†	42	3	44	2.51	-1.59	1.60	0	5	20	11	0	.....	C. P. Darling.
	Lebanon.....	469	55	74.4	+0.3	98	25	50	3	37	1.24	-3.13	0.41	0	5	16	13	2	se.	Lebanon Valley Gas
	Lewistown.....	500	1	73.0	.....	94	26	49	3†	36	4.78	.....	2.16	0	9	6	18	7	e.	Penna. Edison Co.
	Lock Haven.....	580	49	72.6	-1.1	93	8	46	16	36	3.28	-0.72	1.53	0	8	8	23	0	sw.	Joseph Beaver.

Daily Precipitation for July, 1939

Stations	Drainage Basin	Day of month																															Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Atlantic Drainage																																			
Allentown ²	Lehigh	1.05				T	.08	.03		.20		.02			.87											.04							3.59		
Altoona	Juniata			.18	.20				.09			.02		.91	.98					.15							.42	.41	.93	.05	.34		4.68		
Ansonia ³	W. Br. Susq.	1.00				T	.22			.35			.03	.40	.31														.62	.70	.25		3.91		
Ardmore ³	Lower Del.			.05	.03						.19			T	.26														.25	.05	1.32	.01	2.16		
Arendtsville ²	Lower Susq.	.23		.28	.07	T		T				T			.36					.25					T				.17	.13		T	1.66		
Baker's Summit	Juniata			.10	1.70				.18					.40	.74					.38							.05	.08			.37		4.00		
Bald Eagle ¹	Middle Susq.			.03					.16		.10			.38	.22					.03													0.92		
Bedford ²	Juniata				.56	.55			.23			T		.32	.51					.60								T	T		1.14		3.91		
Belleville	W. Br. Susq.			.66	.11				.28				T	.88	1.02														.16		.02	.40	3.53		
Berwindale ¹	W. Br. Susq.			.18					.78		.11			1.10	.19														.01		.06	.06	.11	2.60	
Bethlehem	Lehigh	.45			.12	.43	.10	.02		.01				T	.26											.49			.12	.61	.01	.26	T	2.88	
Bloomsburg	Susquehanna			.07	T									.32													.05	1.35	T	.01	.03		1.83		
Blossville	Lower Susq.																																		
Buffalo Mills ²	Potomac	.12			.18	.38			.06		.02				.87					.24	.49			.02							.94	.12	3.44		
Carlisle	Lower Susq.			.05	.30	.02			.03		T		T	.24	.30					.03						T		T	.75	T	.18	.83	2.73		
Carter Camp ¹	W. Br. Susq.				.15				.31					.76	.20							.01										.05	.58	2.05	
Center Hall	Susquehanna			.90	.33				.18					.52	.95							.01						.01	.03		.21	.10	.42	3.66	
Chambersburg ²	Potomac	.16			.26	.51			.15		T				.71					.26								1.83	.53		.54		4.95		
Chenfield ²	W. Br. Susq.	.42			.03				.14					T	1.08														T			.03	.22	1.92	
Coatesville	Lower Del.				.41	.10	.57	.13		.45				.07	.29														.60	.09		.34		3.05	
Colebrook	Lower Susq.			T	.05	.21		.16		.14				.04	.41										T				.11		.30	.26		1.68	
Conshohocken	Schuylkill	.62						T	.34													.23				T	1.84	.22				.16		3.41	
Covington ²	N. Br. Susq.	.65			T	.04			.60		.03	.06		.23	.30										.30				.03			1.50	.10	3.84	
Coylestown	Lower Del.	.21			T	.08	.07	.07		.23				T	.30														.23	.57	.04	.89		2.69	
Driftwood ¹	W. Br. Susq.							.51		.03				.86	.07													.27				.04	.04	1.82	
Du Bois	W. Br. Susq.			T	.12			.32				T		.20	.92														.01		.12	.13	.12	1.94	
East Waterford ²	Middle Susq.	.27			1.08	.39			.07		.13			.02	.76					.07									.28	1.21		.38	.05	4.71	
Emporium	W. Br. Susq.							.77						.50	.65														.09			.43	.94	3.38	
English Center ¹	W. Br. Susq.			.11	.18			.16				T		.20	.26														.13		.06	1.23		2.33	
Ephrata	Lower Susq.	.04			.03				.07	T				.02	.45														T			.89		1.50	
Fredericksburg ²	Schuylkill	1.53			.22	.07	.12		.49		.19	T			.36														.01	.42	T	.31	.46	4.18	
Freeland ²	Lehigh				.01	.07		.03					.03		.20														.04	.72	.09	.04	.19	1.42	
Galeton	N. Br. Susq.				.20			.45						.38	.23														T	.06		.36	.03	1.71	
George School	Lower Del.	.64				.04				.11				T	.34					T									.70	.13	.03	.06		2.05	
Gettysburg	Potomac	.01			.25				.02	.02				.16	.20					.21								.48	1.62	.05			.01	3.01	
Girardville ²	Lower Susq.				.04	.03			.02					.18															.23	T	.26	.78		1.54	
Gordon	Lower Susq.				.42	.07								T	.35														.44			.18		1.46	
Gouldsboro ²	Lehigh	.12			T	T			.12					.05															.75	.02		.04		1.10	
Graterford	Schuylkill	.38			.73		.07							T	.46														1.52	.22		.26		3.64	
Hanover	Lower Susq.	.02			.46			.19						.57	.41					.22									1.08	.18	1.15	.07	.02	4.37	
Harrisburg ¹	Lower Susq.			T	.04			T		.16				.15	.49														.02	.24	T	.23	.18	1.63	
Hawley ²	Upper Del.	.17					T						.06	.01	.03								.03						.7	.10		.17	.05	0.62	
Hollisterville ²	Upper Del.	.40						.01						T	.01														.04	.11	.22	.06	.15	1.00	
Holtwood ²	Lower Susq.					.21		.20	.28	T				.62	.49					.02						.18			T	T		.62	T	2.06	
Huntingdon	Juniata			T	.24	T		.45		.06				.32						T									1.04		.25	.03		.17	2.97
Huntsdale ¹	Lower Susq.				.39				.06					.62	.36					.12									.10	.53		.01	.19	2.02	
Hyndman ²	Potomac	.46			.45	.52		.03		.18				.10						T	.93								T		T	2.58	T	6.25	
Kylertown ²	W. Br. Susq.	T			T	T		.35		T		T		.12	.67														T	T	T	.43	.01	1.58	
Lakeville ²	Upper Del.	.25			T	T				T			.30		.03														.04	.20	.02	.13	.04	1.01	
Lancaster	Lower Susq.	.09			.18		.22	.05		.53				.08	.70															1.46	.09		.78		4.18
Lansford ²	Lehigh	.44			.02	.12								T	.33															T	.12	.01	*	.90	1.94
Lawrenceville	N. Br. Susq.							.18						.05	.10															.58			1.60	T	2.51
Lebanon ²	Lower Susq.	.20			.01	T	T	T	T		T																								

Stations	Drainage Basin	Day of month																																Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
<i>Atlantic Drainage (continued)</i>																																		
Sellersville ¹	Lower Del.				.53				.68						.28																.40		2.88	
Shade Gap ¹	Middle Susq.				.27	.73								.20	.30				.21							.36	.22	1.06	.23			3.58		
Shawmont ¹	Schuylkill	.16			.04			.01		.35				.17														.30	.25	T.	.10		1.38	
Shippeensburg ¹	Lower Susq.			T.	1.21	.01		.05		.05				.37	.71					.22					.08		T.	.67	.38	.11	.10		3.96	
State College ¹	W. Br. Susq.				.82	.17		.24						.08	.46							T.								.01	T.	T.	2.05	
Stroudsburg ²	Upper Del.				.25		.90	.10																			T.	.27					4.15	
Sunbury ²	Lower Susq.	.72			.20	.08		.05		.21	.07			T.	.51														.50	.12		.31	.52	3.01
Susquehanna ²	N. Br. Susq.	.38											.14	T.	.07														.24	3.97		T.	5.08	
Towanda ¹	N. Br. Susq.					.07		.08		T.		.01	.12	.09										.27	.09			.40	.07	.01	.34	T.	1.70	
Weikert ¹	Lower Susq.				1.38		.05	.05					.16	.25	.07												.38						3.92	
Weilsboro ²	N. Br. Susq.	.24			.27					.82		.09	.03	.08	.33										.14	.02		T.	.08		1.14	.69	3.93	
Wernersville ² , [nr]	Schuylkill	.96	.01						T.						.43													.06	1.11				3.30	
West Chester ¹	Lower Del.	.21			.64	.02		.01		.16				.05	.32													.20	.37	.02	.05		2.05	
Westgrove ²	Lower Del.				.48	.69	.40		.41		.13			.58														.12	.61		.25	.11	3.78	
Wilkes-Barre ²	N. Br. Susq.			.23		.08		.08		.10				.02	.10														.05		.03		4.81	
Wilkes-Barre ²	N. Br. Susq.	.59			.44				.03					.02	.09														.08	2.91	T.		1.39	
Williamsport ¹	W. Br. Susq.	1.07			.44	.27	.01		.19					.31														.26	.32		1.44	.50	4.81	
Williamstown ¹	Lower Susq																																	

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First-order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ^{**} Precipitation for period, 7:30 p. m. to 7:30 p. m. [†] Precipitation measured with recording gage, midnight to midnight. ^{*} Included in next measurement. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing [†] Daily amounts inconsistent. Post Office addresses are as follows: of Blossville, Newville: of Acmetonia, Barking; of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Lock No. 5, Schenley. § Airway Station. [†] River Station. ^{|||} Formerly Dahoga and Kane (near).

Daily Temperatures for July, 1939

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Altoona.....	Maximum.....	77	78	80	84	77	82	87	88	85	81	76	81	82	79	73	72	77	74	74	75	76	75	83	85	87	87	84	84	75	84	83	80.2	
Altoona.....	Minimum.....	56	56	46	50	61	62	62	66	67	57	46	52	60	61	49	42	44	51	48	50	56	54	63	63	62	63	66	68	66	63	56.9		
Bedford.....	Maximum.....	78	76	84	83	80	85	89	90	87	82	80	82	85	80	79	75	79	73	80	78	75	75	86	85	89	90	87	87	85	87	85	82.5	
Bedford.....	Minimum.....	59	52	49	67	66	62	75	72	66	70	50	52	66	63	49	44	46	54	55	71	57	59	57	58	75	60	65	67	69	69	63	60.9	
Bethlehem.....	Maximum.....	89	83	85	87	84	87	91	94	94	92	82	86	86	89	88	81	83	85	88	87	81	79	87	90	93	96	89	83	83	81	86	86.9	
Bethlehem.....	Minimum.....	64	68	52	61	66	70	71	72	76	72	60	62	62	64	60	55	56	58	60	63	60	57	54	67	67	69	71	71	70	70	69	64.3	
Bloomsburg.....	Maximum.....	79	78	82	88	89	87	90	93	89	87	84	85	84	86	77	80	80	83	87	84	84	84	84	94	92	83	88	91	91	87	85	85.8	
Bloomsburg.....	Minimum.....	59	51	45	57	66	69	66	68	68	60	52	52	59	52	50	48	50	61	50	56	55	50	48	62	60	55	67	69	62	65	65	58.0	
Brookville.....	Maximum.....	78	77	85	82	70	89	93	86	84	80	81	83	67	67	62	65	64	70	83	85	80	75	87	87	92	88	86	91	75	83	84	80.0	
Brookville.....	Minimum.....	53	45	38	48	62	60	61	62	52	43	45	61	61	42	37	37	42	42	48	47	46	52	53	53	55	62	61	67	66	62	52.4		
Butler.....	Maximum.....	72	88	89	90	90	94	96	95	90	89	86	88	96	88	92	82	82	77	81	84	85	83	89	88	96	90	94	94	80	85	86	87.6	
Butler.....	Minimum.....	56	43	45	65	63	61	61	68	58	55	46	51	68	66	44	42	43	54	48	55	55	52	57	59	51	59	62	66	67	64	62	56.2	
Carlisle.....	Maximum.....	82	85	88	89	76	88	93	94	90	89	85	90	85	87	84	78	81	85	85	85	84	84	90	96	96	87	88	88	81	85	86	86.5	
Carlisle.....	Minimum.....	61	56	71	62	70	69	68	71	74	66	54	56	65	65	55	52	51	53	54	58	53	57	64	64	67	63	69	72	71	71	65	62.8	
Chambersburg.....	Maximum.....	83	86	86	90	81	86	91	94	90	88	82	89	88	87	80	79	83	76	84	81	78	77	83	88	93	94	84	86	83	88	88	85.4	
Chambersburg.....	Minimum.....	63	58	54	64	70	67	69	70	72	65	58	57	66	65	55	54	50	55	57	61	58	61	60	65	65	66	67	69	71	71	66	62.9	
Chambersville.....	Maximum.....	78	78	85	86	83	88	92	91	86	84	78	83	85	83	77	74	76	68	81	79	77	79	85	86	89	88	88	85	82	84	82	82.6	
Chambersville.....	Minimum.....	55	51	45	65	65	62	64	67	67	54	45	53	63	62	45	41	41	50	47	55	54	55	56	60	58	60	66	68	63	65	62	56.9	
Claysville.....	Maximum.....	78	78	86	85	79	88	90	89	87	83	76	83	85	85	79	76	74	68	79	79	76	80	83	82	86	85	84	87	86	81	82	81.9	
Claysville.....	Minimum.....	54	54	51	69	62	62	65	69	63	56	46	56	64	64	49	44	46	55	53	61	57	53	57	64	57	60	64	61	65	64	63	58.3	
Clearfield.....	Maximum.....	78	79	85	89	85	87	92	90	84	82	76	76	77	73	79	72	78	73	84	82	80	81	86	86	90	90	84	90	89	88	84	83.1	
Clearfield.....	Minimum.....	56	49	41	58	63	64	64	65	62	55	45	50	57	73	49	40	43	45	47	50	49	53	52	59	60	57	64	67	61	68	64	55.7	
Coatesville.....	Maximum.....	82	82	84	90	73	85	88	92	90	90	80	87	78	87	79	78	81	79	87	83	80	76	97	91	94	97	88	86	89	89	83	80.3	
Coatesville.....	Minimum.....	61	57	50	58	65	64	65	70	70	61	55	56	60	62	57	52	51	55	54	55	54	55	61	64	66	66	68	67	68	64	60	65.3	
Corry.....	Maximum.....	80	80	87	90	81	92	95	87	87	79	82	83	88	84	76	75	76	81	81	85	84	85	89	88	91	87	89	92	76	83	85	84.5	
Corry.....	Minimum.....	54	48	40	59	63	57	58	.....	.....	.....	.....	.....	55	41	39	40	43	47	51	50	50	59	52	52	56	64	58	63	65	61	53.0		
Coudersport.....	Maximum.....	72	86	88	80	88	90	88	86	84	76	78	84	89	85	74	78	77	81	84	87	92	90	84	88	86	91	88	89	90	92	85	84.8	
Coudersport.....	Minimum.....	55	45	44	39	45	52	64	62	60	48	44	50	61	62	44	40	40	42	48	44	42	48	54	52	58	65	62	66	68	65	60	52.5	
Donora.....	Maximum.....	82	85	91	85	84	93	95	90	91	86	81	89	90	85	79	79	78	68	85	82	72	82	88	87	91	87	84	91	82	86	86	85.0	
Donora.....	Minimum.....	59	60	56	71	67	66	68	72	69	62	52	60	68	66	55	50	54	60	56	63	63	64	64	70	65	66	70	69	71	70	68	63.7	
Ebensburg.....	Maximum.....	72	73	80	87	79	85	79	77	75	74	75	78	76	77	71	70	70	78	76	76	76	72	75	78	81	78	81	80	80	82	80	76.9	
Ebensburg.....	Minimum.....	52	56	46	64	60	60	63	67	68	68	49	55	50	60	56	45	42	51	49	54	52	55	55	61	56	61	63	66	67	65	61	56.9	
Emporium.....	Maximum.....				80	87	93	88	85	82	80	84	83	73	73	73	77	77	83	84	80	82	86	88	91	90	86	92	86	88	86	83	86	87.4
Emporium.....	Minimum.....	.....	.....	.....	64	65	65	66	63	57	46	47	59	63	43	43	42	45	45	46	47	52	51	51	59	57	55	63	67	66	68	62	56.1	
Ephrata.....	Maximum.....	85	86	89	92	82	91	94	97	93	92	86	90	84	89	80	85	79	92	84	85	85	87	94	100	96	89	92	90	93	86	88	87.7	
Ephrata.....	Minimum.....	63	56	53	64	71	66	70	72	73	68	54	57	64	65	58	54	52	56	54	60	57	60	52	66	66	72	72	71	72	68	63	61.1	
Erie.....	Maximum.....	75	75	82	85	79	86	90	82	79	71	75	80	85	73	68	69	74	78	76	76	76	83	84	80	85	88	86	82	86	75	80	79.4	
Erie.....	Minimum.....	63	58	59	70	69	73	70	65	64	57	66	68	63	58	54	54	57	62	62	62	63	68	67	66	71	70	70	68	67	66	64	64.5	
Franklin.....	Maximum.....	74	78	85	86	78	88	80	82	84	73	77	83	87	78	69	70	75	71	81	83	76	81	86	84	90	84	87	87	85	80	83	80.8	
Franklin.....	Minimum.....	58	51	45	47	64	61	62	66	63	57	49	50	60	63	47	45	44	46	50	52	53	51	52	60	60	59	61	62	63	68	64	55.9	
Freeland.....	Maximum.....	76	75	81	82	78	83	85	88	86	83	78	83	76	84	76	71	78	79	84	79	77	77	84	90	93	90	79	79	78	79	81	80.9	
Freeland.....	Minimum.....	58	56	51	61	65	64	67	68	68	63	50	55	56	60	50	48	48	55	54	55	64	53	54	65	65	78	66	65	65	66	63	59.9	
George School.....	Maximum.....	82	83	84	88	83	84	89	93	91	92	83	87	86	88	88	81	84	82	87	84	81	74	88	89	92	92	82	85	85	83	86	85.8	
George School.....	Minimum.....	64	57	52	60	68	68	70	73	73	73	67	57	58	55	58	58	59	53	55	59	60	58	57	60	52	65	67	68	71	72	70	62	62.8
Gettysburg.....	Maximum.....	84	85	84	88	80	83	90	95	91	89	86	88	85	88	84	79	85	80	86	82	79	79	82	91	93	94	82	88	86	91	88	86.0	
Gettysburg.....	Minimum.....	62	60	64	63	68	65	70	72	74	67	59	61	67	59	61	66	56	54	53	56	59	61	56	62	60	68	69	66	70	71	72	67	64.2
Gordon.....	Maximum.....	80	79	85	87	75	86	91	92	90	87	83	85	80	86	78	73	82	84	86	81	81	85	91	93	93	81	86	85	87	85	84	84.5	
Gordon.....	Minimum.....	55	43	41	57	68	67	68	67	69	55	49	48	56	61	53	44	63	45	46	57	51	51	45	58	56	57	66	69	69	70	71	61.5	
Greensburg.....	Maximum.....	78	73	89	84	79	90	92	87	83	80	76	82	85	8																			

Daily Temperatures for July, 1939—(continued)

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum...	81	82	85	86	86	83	90	93	91	91	88	86	87	87	79	82	82	86	84	82	82	85	91	95	95	83	84	85	83	85	86.0
Port Clinton.....	Minimum...	53	51	44	57	68	66	68	68	70	61	52	51	58	64	57	49	47	49	52	58	53	54	47	68	62	62	62	71	71	65	59.2
Quakertown.....	Maximum...	80	79	81	86	83	84	88	91	88	88	79	83	80	86	84	77	81	81	85	80	78	74	85	90	93	92	82	84	82	83	83.5
Quakertown.....	Minimum...	60	52	56	52	64	68	68	71	71	63	56	52	55	64	57	48	48	52	51	58	55	55	43	65	61	63	68	59	61	68	59.0
Reading*.....	Maximum...	80	79	82	86	75	85	89	92	88	87	80	85	78	86	77	75	80	79	85	80	79	77	82	89	95	91	82	83	84	86	82
Reading*.....	Minimum...	65	63	55	65	70	68	70	74	75	68	60	64	65	64	60	58	60	59	57	63	60	61	56	69	69	71	70	70	70	69	65.1
Retreat.....	Maximum...	80	78	82	89	75	84	90	92	89	86	80	84	83	86	81	73	81	84	86	84	84	86	90	93	93	78	85	84	80	84	84.1
Retreat.....	Minimum...	60	51	45	58	65	70	67	70	68	60	50	52	56	61	50	52	47	49	50	51	55	50	49	62	61	57	68	68	71	67	64
Ridgway†.....	Maximum...	80	76	76	86	90	81	88	94	82	85	79	78	81	82	78	72	70	76	76	83	85	81	82	86	85	88	90	84	92	78	83
Ridgway†.....	Minimum...	50	46	39	50	64	61	61	62	62	53	44	44	55	62	42	36	40	42	44	47	49	50	49	54	57	53	57	62	67	66	60
Scranton*.....	Maximum...	79	75	84	89	77	86	91	92	90	82	80	81	82	86	75	72	80	84	85	85	83	81	88	90	94	91	76	86	85	85	83.8
Scranton*.....	Minimum...	64	55	47	56	69	71	70	73	72	63	55	57	56	65	57	53	51	53	55	63	62	54	50	66	65	62	70	70	72	71	68
Selinsgrove.....	Maximum...	80	80	84	90	80	86	91	93	90	89	85	87	85	85	80	75	80	80	87	86	82	84	83	89	95	93	81	90	84	87	86
Selinsgrove.....	Minimum...	58	54	48	60	69	70	68	70	72	61	52	54	63	67	54	51	50	51	52	56	55	52	52	63	62	59	69	70	71	70	65
Somerset.....	Maximum...	73	72	79	76	73	81	85	82	81	78	72	77	82	79	72	69	72	67	74	72	65	71	78	76	87	82	78	79	78	78	76.6
Somerset.....	Minimum...	51	50	52	59	62	58	58	62	63	48	43	58	57	62	41	36	40	41	46	56	55	54	53	60	55	54	63	59	65	61	54.8
Springs.....	Maximum...	71	74	77	76	75	81	83	81	79	75	69	76	82	74	68	68	70	62	70	66	59	67	76	71	82	81	78	83	73	77	76
Springs.....	Minimum...	51	50	47	58	60	56	58	62	60	54	44	50	55	62	44	39	42	50	51	55	53	54	57	58	54	56	60	64	63	63	60
State College.....	Maximum...	77	78	82	87	82	86	90	87	86	82	77	83	82	80	73	72	77	72	82	79	79	80	83	86	90	89	85	88	78	86	82.0
State College.....	Minimum...	59	59	49	62	67	64	66	68	66	61	50	50	57	61	50	48	47	50	49	54	55	57	56	58	64	61	66	68	67	69	65
Stroudsburg†.....	Maximum...	83	86	78	84	79	84	88	90	86	89	81	84	89	86	80	76	78	84	81	85	83	87	78	85	94	92	78	84	82	86	84
Stroudsburg†.....	Minimum...	68	66	61	68	76	69	72	76	74	60	59	51	53	62	51	56	46	49	51	60	56	54	41	56	68	62	71	71	70	73	72
Towanda.....	Maximum...	80	76	85	91	88	86	93	90	92	87	82	84	85	87	75	74	83	86	88	89	88	85	90	92	94	97	80	91	85	86	86.3
Towanda.....	Minimum...	61	53	41	52	65	67	63	63	65	61	48	54	53	59	48	46	44	45	48	48	50	49	45	60	58	55	67	68	69	65	56.1
Uniontown.....	Maximum...	85	80	88	84	80	88	91	86	84	80	75	85	87	84	77	76	76	70	82	75	70	80	83	82	87	85	81	87	83	82	81.8
Uniontown.....	Minimum...	58	58	56	69	66	64	68	70	68	63	52	59	66	72	52	47	50	60	56	68	60	63	60	66	62	63	68	65	70	69	66
Vandergrift*.....	Maximum...	82	69	77	88	80	88	94	88	84	82	77	88	91	78	74	76	77	69	82	76	74	82	89	91	92	90	88	88	78	85	87
Vandergrift*.....	Minimum...	56	55	50	66	67	65	66	69	65	56	50	57	67	60	53	47	47	56	52	58	58	58	64	62	62	68	69	67	66	66	60.0
Warren.....	Maximum...	77	75	85	90	82	90	95	84	85	76	71	82	81	77	70	70	76	78	81	83	83	85	88	87	90	87	86	92	76	84	82
Warren.....	Minimum...	57	58	44	61	66	62	64	68	62	58	47	50	61	56	45	41	44	44	48	50	54	49	57	57	59	58	65	64	64	63	56.1
Waynesburg.....	Maximum...	78	80	87	84	80	89	91	87	86	82	76	82	85	83	77	76	75	67	80	78	74	80	82	81	87	85	83	89	84	82	81.7
Waynesburg.....	Minimum...	57	55	54	67	65	63	66	70	67	60	49	57	65	69	52	46	47	58	54	63	58	59	59	66	60	62	67	67	65	66	60.6
Wellsboro.....	Maximum...	76	76	85	88	83	83	89	85	85	80	77	81	78	78	70	69	78	84	82	86	84	85	89	91	90	90	90	90	82	85	83
Wellsboro.....	Minimum...	57	50	42	54	64	66	64	66	62	57	46	50	57	58	43	43	44	45	44	46	49	50	48	57	57	55	66	67	66	68	55.0
West Chester.....	Maximum...	81	83	84	89	73	82	84	92	90	90	81	89	79	88	80	84	78	86	86	81	78	83	91	96	95	93	91	89	89	87	85.5
West Chester.....	Minimum...	63	56	52	62	67	67	69	72	71	67	58	57	59	65	59	54	54	60	59	58	59	60	63	66	67	69	70	70	69	71	66
Wilkes-Barre.....	Maximum...	82	79	85	91	80	88	92	95	90	89	83	85	84	89	78	76	82	86	88	86	84	88	93	95	92	78	87	86	83	87	86.0
Wilkes-Barre.....	Minimum...	62	51	44	58	70	71	67	69	68	62	52	54	56	64	55	46	53	51	52	59	56	52	50	62	63	58	69	69	72	65	59.5
Williamsport.....	Maximum...	79	76	83	88	80	85	91	90	86	81	80	79	81	83	77	73	80	81	86	87	84	85	91	94	96	91	91	87	83	85	84.4
Williamsport.....	Minimum...	59	55	46	58	69	70	66	68	68	63	53	56	61	62	51	51	50	50	52	53	55	55	52	60	65	59	69	71	72	69	59.8
Williamstown.....	Maximum...	86	88	84	93	83	86	92	90	94	87	84	86	85	86	83	76	78	80	84	84	82	81	84	87	94	92	86	90	86	91	84
Williamstown.....	Minimum...	60	58	56	62	65	65	68	68	67	64	51	58	62	60	51	51	50	56	55	61	56	55	56	64	64	67	66	67	66	63	60.6
York.....	Maximum...	82	84	84	87	81	85	92	93	89	88	84	86	82	87	83	77	82	80	87	82	81	80	82	88	92	90	85	90	85	90	88
York.....	Minimum...	59	55	48	64	70	64	67	70	70	64	53	55	63	66	55	48	49	54	51	60	54	62	56	67	65	66	70	71	71	71	65

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. °, °, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	29.96	30.21	2	29.58	13	6.8	23	nw.	13	73	...	62	77
Harrisburg.....	29.98	30.27	3	29.59	14	7.6	31	s.	14	76	50	56	68
Philadelphia.....	29.97	30.24	3	29.58	14	11.0	35	s.	14	75	53	61	74
Pittsburgh.....	30.00	30.21	11	29.64	13	8.6	29	nw.	8	82	54	63	66
Reading.....	29.97	30.25	3	29.62	14	9.7	31	ne.	26	74	50	59	54
Scranton.....	29.98	30.26	3	29.61	14	5.9	25	nw.	8	71	...	48	70

* For any five-minute period.

† Corrected to true velocities

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

G. S. BLISS.
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GENERAL SUMMARY.

August was a moderately warm month with excess temperatures for the State quite uniform at about 3° in practically all regions. Temperatures were above the normal on 25 dates at Philadelphia and on 17 dates at Pittsburgh, although the extremes for the State were not unusual. The rainfall averaged a little more than two-thirds of the August normal, and its distribution was especially uneven. Moderate to fairly heavy showers covered the State quite thoroughly on the 3d and 4th with a few heavy rains in the eastern counties. Colebrook in Lebanon county received a total 24-hour rainfall of 6.74 inches during these rains. Lighter rains were fairly general on the 8th and 13th but did not serve to make up a normal rainfall for this period, and drought conditions began to develop, especially in the central and western portions of the State. A coast storm on the 19th and 20th brought drenching rains to the southeastern counties, effectively breaking the drought. However, they were attended by strong winds that beat down a large amount of corn and did serious damage to some other crops. Apples and peaches were blown from the trees in some regions, and tomatoes were damaged considerably. The losses from this storm were rather heavy. However, the conditions in the region improved quite rapidly after the breaking of the drought, and this was especially apparent in its effects on the pastures and meadows. In the remainder of the State the drought continued to increase in intensity and became fully as severe in many regions as that of July. The driest region of the State was Clearfield and Cambria counties, where the total rainfall for the month was less than one inch. In general, it may be said that the average rainfall for the western two-thirds of the State was less than half of the August normal. Severe local storms were reported on three dates. On the 4th, severe thunderstorms occurred in the central portion of the State. A boy was killed and several persons injured by lightning at Kingston, and a farmer was instantly killed by lightning near New Bloomfield in Perry county. Strong gusty winds accompanied thunderstorms at Harrisburg and Reading and did considerable damage. Many large shade trees were destroyed, and telephone and power lines were blown down. No dependable estimates of the total damage were obtainable. On the 13th, considerable local damage by thunderstorms occurred in the northeastern part of the State. Several homes were damaged by lightning, and several miles of wires were blown down. A local gale caused waves ten feet high on Lake Wallenpaupack. Many boats were overturned, but fortunately no lives were lost. On the 17th, a dozen large trees were destroyed, and three buildings were damaged by winds at Gordon in a narrow path about 300 feet wide. No funnel cloud was seen, but the storm had the characteristics of a tornado. No estimates of the total damage were obtainable.

TEMPERATURE.

The mean temperature for the State, as shown by the reports from 92 stations, was 73.3°, or 3.0° in excess of the 52-year normal. The highest monthly mean was 79.6° at Marcus Hook, and the lowest, 65.5°, at Mt. Pocono. Extremes for the month ranged from a maximum of 98° at Marcus Hook on the 8th to a minimum of 41° at Somerset on the 5th. The greatest daily range in temperature was 47° at Coudersport on the 20th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations made at 172 stations, was 2.98 inches, or 1.23 inches less than the 52-year normal for the month. The greatest monthly amount was 9.65 inches at Colebrook, and the least was 0.41 inch at Clearfield. The greatest amount for any 24 consecutive hours was 6.74 inches at Colebrook on the 3d-4th.

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	69.8	100	33	7.05	.....	10	13	10	8
1889.....	67.4	100	37	3.24	.....	8	15	10	8
1890.....	68.8	98	34	5.76	.....	12	8	14	8
1891.....	69.6	99	35	5.09	.....	12	8	12	11
1892.....	71.4	99	42	3.77	.....	9	14	7	10
1893.....	70.4	99	30	4.50	.....	8	14	10	7
1894.....	69.4	98	32	1.84	.....	6	13	12	6
1895.....	72.3	101	32	3.23	.....	9	15	11	5
1896.....	71.2	101	35	2.22	.....	8	14	11	6
1897.....	67.9	97	34	3.17	.....	9	14	11	6
1898.....	72.3	99	37	6.60	.....	12	11	11	9
1899.....	71.2	101	38	4.01	.....	7	14	10	7
1900.....	75.0	103	38	3.33	.....	9	14	12	5
1901.....	72.0	99	42	6.81	.....	11	10	12	9
1902.....	67.8	100	34	2.62	.....	8	13	13	5
1903.....	67.2	99	36	5.29	.....	14	9	12	10
1904.....	68.0	96	34	4.36	.....	9	15	10	6
1905.....	69.6	95	36	5.71	.....	12	12	12	7
1906.....	73.2	96	39	5.62	.....	12	10	12	9
1907.....	68.0	97	32	2.94	.....	10	16	9	6
1908.....	69.4	102	30	3.22	.....	7	15	10	6
1909.....	69.4	100	34	2.31	.....	7	16	9	6
1910.....	69.8	98	35	2.61	.....	6	14	10	7
1911.....	71.4	102	36	7.63	.....	13	11	8	12
1912.....	67.1	93	36	5.02	.....	14	9	12	10
1913.....	70.4	102	38	2.69	.....	8	17	9	5
1914.....	71.3	100	34	3.85	.....	11	13	11	7
1915.....	68.0	99	34	6.71	.....	15	10	11	10
1916.....	71.9	103	32	2.57	.....	8	17	10	4
1917.....	71.2	101	38	6.69	.....	10	15	10	6
1918.....	73.6	108	32	4.12	.....	11	16	10	5
1919.....	68.2	94	35	5.43	.....	12	13	10	8
1920.....	70.2	95	37	4.66	.....	15	9	12	10
1921.....	68.4	97	35	3.83	.....	9	17	8	6
1922.....	69.1	100	31	3.14	.....	10	15	9	7
1923.....	69.2	96	30	3.10	.....	9	15	11	5
1924.....	70.1	102	31	3.78	.....	9	16	10	5
1925.....	69.7	97	26	2.28	.....	7	18	9	4
1926.....	71.9	103	32	5.69	.....	15	11	8	12
1927.....	65.5	92	34	4.12	.....	12	12	10	9
1928.....	73.4	99	35	4.60	.....	12	13	11	7
1929.....	67.7	98	31	2.52	.....	7	17	8	6
1930.....	70.3	108	29	1.47	.....	7	15	10	6
1931.....	71.1	104	40	4.01	.....	12	11	10	10
1932.....	71.6	103	34	2.82	.....	8	19	8	4
1933.....	70.8	104	38	7.61	.....	12	13	9	9
1934.....	68.6	98	30	4.94	.....	11	14	8	9
1935.....	71.3	98	31	3.91	.....	11	13	10	8
1936.....	73.2	102	37	4.96	.....	12	13	11	7
1937.....	73.5	101	40	5.43	.....	12	13	9	9
1938.....	73.8	100	36	2.90	.....	8	17	10	4
1939.....	73.3	98	41	2.98	.....	8	15	10	6
Period.....	70.3	108	26	4.21	.....	10	13	11	7

Climatological Data for August, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		Prevailing direction of wind	
Atlantic Drainage.	Allentown.....	Lehigh.....	254	27	75.4	+3.3	93	9†	54	31	28	2.62	-2.28	0.92	0	8	14	16	1	ne.	John A. Frick.
	Altoona.....	Blair.....	1,615	52	70.9 ^a	+1.7	89 ^b	13†	50	26	35 ^b	2.11	-1.38	1.27	0	9	24	6	1	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	350	19	76.0	+3.6	92	9†	57	30	23	8.26	+2.59	4.54	0	11	8	10	13	.....	H. L. Balderston.
	Arendtsville.....	Adams.....	700	17	76.0	+3.3	96	13	55	23	34	1.74	-3.01	0.61	0	8	16	12	3	sw.	Harold J. Miller.
	Bedford.....	Bedford.....	1,060	7	73.7	.....	92	17	49	6	36	2.14	.....	0.90	0	6	19	6	6	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	53	77.0	+3.7	94	1†	60	5†	32	2.56	-1.89	0.84	0	9	18	5	8	w.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	13	73.6	.....	90	3	53	30†	33	3.80	.....	0.96	0	9	16	14	1	.....	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	70	76.6	+3.7	96	13	56	23	33	1.09	-3.63	0.69	0	7	24	4	3	se.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	42	76.8	+4.4	95	13	55	5	33	1.02	-2.80	0.42	0	6	13	15	3	sw.	William B. Spear.
	Clearfield.....	Clearfield.....	1,120	38	71.0	+0.7	91	11†	46	5	43	0.41	-8.71	0.19	0	4	20	3	8	sw.	Otto J. W. Eppers.
Atlantic Drainage.	Coatesville.....	Chester.....	380	52	74.4	+1.7	93	9†	58	5	32	8.37	+3.64	4.98	0	10	9	9	13	s.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	560	27	73.0	+2.6	90	1	54	23	26	9.65	+4.56	6.74	0	11	14	8	9	w.	Wm. A. Korer.
	Emporium.....	Cameron.....	1,050	54	70.6	+2.6	91	12†	44	31	44	1.52	-2.46	0.70	0	5	24	0	7	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	380	42	77.8	+5.3	97	13	58	23	33	5.34	+1.08	3.12	0	8	17	9	5	ne.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,970	46	71.4	+4.6	88	17	55	30†	27	4.14	-0.26	1.30	0	11	2	0	29	w.	Andrew B. Evansha.
	George School.....	Bucks.....	190	33	76.5	+4.3	95	9	57	30	32	6.29	+1.25	3.47	0	15	14	8	9	s.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	66	77.0	+4.7	94	13	58	6†	31	1.60	-2.72	1.03	0	4	20	3	8	e.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	840	35	71.8	+3.4	91	17†	49	23	37	6.22	+2.06	1.90	0	11	11	15	5	sw.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,875	24	.....	.....	.....	.....	44	5	.....	3.92	-0.39	1.52	0	9	.....	.....	.....	.....	Steward W. Eilenberger.
	Hanover.....	York.....	600	35	76.8	+3.1	94	13	60	23†	27	2.65	-1.87	1.35	0	9	18	9	4	s.	Thomas Y. Cooper.
Atlantic Drainage.	Harrisburg.....	Dauphin.....	337	70	77.2	+4.6	95	13	58	23	32	4.09	+0.05	1.58	0	10	10	6	15	w.	U. S. Weather Bureau.
	Hawley.....	Wayne.....	900	21	71.3	+3.1	94	13	49	5	39	5.59	+1.50	3.34	0	9	20	8	3	w.	Mrs. Della M. Pennell.
	Holtwood.....	Lancaster.....	200	24	78.5	+3.4	93	13	64	6	24	4.10	+0.18	1.38	0	9	14	11	6	nw.	H. W. Lowy, C. E.
	Huntingdon.....	Huntingdon.....	650	52	73.6	+2.8	95	17	47	5	41	1.52	-2.36	0.83	0	3	18	12	1	s.	Prof. Paul R. Yoder.
	Kyertown.....	Clearfield.....	1,694	10	70.7	+2.9	89	16	49	23	36	1.15	-2.24	0.45	0	8	3	14	14	.....	U. S. Weather Bureau.
	Lancaster.....	Lancaster.....	255	62	76.4	+4.0	94	9	57	6	33	6.26	+2.18	2.92	0	10	20	6	5	sw.	Supt. of Water Works.
	Lawrenceville.....	Tioga.....	1,000	42	72.9	+4.5	93	16	47	27	41	3.38	-0.09	1.50	0	6	23	8	0	.....	C. P. Darling.
	Lebanon.....	Lebanon.....	469	55	76.0	+3.8	94	13	54	27	32	5.58	+1.15	2.35	0	8	19	11	1	s.	Lebanon Valley Gas.
	Lewistown.....	Mifflin.....	500	1	75.0	.....	93	13†	54	30	34	1.85	.....	0.95	0	8	13	12	6	e.	Penna. Edison Co.
	Lock Haven.....	Clinton.....	580	49	74.3	+2.8	95	13	58	5†	36	1.90	-2.11	0.96	0	9	9	21	1	aw.	Joseph Beaver.
Atlantic Drainage.	Marcus Hook.....	Delaware.....	50	13	79.6	+3.0	98	8	57	29	27	8.15	+2.43	4.58	0	5	20	3	8	e.	Sun Oil Co.
	Montrose.....	Susquehanna.....	1,620	31	71.6	+4.8	88	3	54	27	30	3.06	-1.01	1.49	0	9	9	20	2	sw.	Philip F. Chamberlain.
	Mt. Pocono.....	Monroe.....	1,720	33	65.5	+1.3	82	1†	46	2†	31	4.25	-0.01	1.80	0	13	16	8	7	w.	Cecil J. Hoskinson.
	Muncy Valley.....	Sullivan.....	1,045	27	69.6	+1.6	89	1†	46	30	40	2.48	-2.15	0.63	0	9	21	10	0	.....	H. O. Hacker.
	Neshaminy Falls.....	Bucks.....	60	50	74.4	+2.5	94	9†	57	6†	29	7.57	+1.70	4.36	0	12	19	1	11	sw.	Philadelphia Sub. Water Co.
	New Bloomfield.....	Perry.....	679	1	73.7 ^a	.....	94 ^a	3†	51 ^a	5†	38 ^a	2.97	.....	1.05	0	7	16	13	2	w.	J. Earl Sneafer.
	Palmerston.....	Carbon.....	398	21	74.8	+3.8	93	13	54	31	31	3.73	-0.23	1.20	0	9	13	14	4	ne.	New Jersey Zinc Co.
	Philadelphia.....	Philadelphia.....	26	68	77.8	+3.0	93	13	58	30	20	6.90	+2.28	3.76	0	13	9	9	13	s.	U. S. Weather Bureau.
	Phila. Navy Yard.....	Philadelphia.....	20	23	77.8	+2.9	94	9†	58	30	22	7.05	+1.77	3.57	0	9	12	1	18	sw.	Navy Aeronautical Office.
	Phoenixville.....	Chester.....	100	29	76.4	+2.5	96	9	57	6†	30	6.21	+0.86	3.29	0	9	17	12	2	sw.	Philadelphia Sub. Water Co.
Atlantic Drainage.	Port Clinton.....	Schuylkill.....	407	1	74.0	+2.6	91	9†	53	23	34	4.62	-0.55	1.70	0	9	22	1	8	s.	E. E. Rarick.
	Quakertown.....	Bucks.....	496	54	73.5	+3.0	97	17	54	23	32	6.02	+0.93	1.89	0	12	13	11	7	w.	John E. Benner.
	Reading.....	Berks.....	273	69	75.7	+3.3	91	13	62	5	25	3.38	-0.83	1.43	0	10	10	8	13	se.	U. S. Weather Bureau.
	Scranton.....	Lackawanna.....	746	45	74.0	+4.2	91	13	56	5	30	3.87	+0.18	1.57	0	10	10	14	7	sw.	U. S. Weather Bureau.
	Selinsgrove.....	Snyder.....	455	49	75.2	+3.7	95	14	54	28	31	1.70	-2.14	1.10	0	6	20	9	2	sw.	Dr. George E. Fisher.
	Shawmont.....	Philadelphia.....	51	43	77.4	+3.1	94	10†	57	30	25	6.71	+1.60	4.25	0	12	10	7	14	nw.	W. S. Guiles.
	Shippensburg.....	Cumberland.....	660	6	75.4	.....	95	13	56	6†	32	1.42	.....	0.48	0	8	18	10	3	sw.	State Teachers College.
	State College.....	Center.....	1,217	55	72.4	+3.6	92	3	52	5†	33	3.89	+0.41	1.30	0	9	19	9	3	s.	C. A. Kern.
	Stroudsburg.....	Monroe.....	500	25	73.4	+3.5	91	1†	54	15†	35	4.70	+0.50	2.00	0	8	16	10	5	sw.	State Teachers College.
	Towanda.....	Bradford.....	754	45	73.6	+5.0	93	3†	49	5	39	1.78	-1.65	0.93	0	7	17	12	2	w.	Mrs. J. M. Ordella Parks.
Atlantic Drainage.	Wellsville.....	Tioga.....	1,419	69	70.3	+3.9	91	16†	48	28†	39	2.06	-1.12	1.32	0	7	25	6	0	w.	George W. Hill.
	West Chester.....	Chester.....	455	90	76.4	+4.2	94	9†	57	30	29	7.16	+2.16	5.78	0	9	17	10	4	w.	Harlan Saylor.
	Wilkes-Barre (Airport).....	Luzerne.....	544	1	73.7	.....	92	1	53	31	34	2.67	-1.11	1.05	0	13	8	14	9	sw.	U. S. Airways Station.
	Williamsport.....	Lycoming.....	521	53	73.2	+2.2	92	3†	53	28†	32	2.45	-1.25	0.64	0	7	22	8	1	w.	Mrs. Ralph F. Keller.
	Williamstown.....	Dauphin.....	1,275	24	74.3	+3.4	90	13	56	5†	31	3.43	-0.48	1.09	0	8	11	15	5	sw.	Susquehanna Collieries Co.
	York.....	York.....	400	51	75.3	+2.7	94	9†	55	23	31	3.38	-0.68	1.24	0	8	21	8	2	ne.	York Water Co.
	Ohio Drainage.																				
	Brookville.....	Jefferson.....	1,173	49	.....	.....	.....	.....	44	26	.....	2.60	-1.24	1.58	0	5	10	11	10	.....	Frank S. Fawcett.
	Butler.....	Butler.....	1,077	26	73.0	+2.8	94	13	48	23†	41	1.47	-2.43	0.57	0	6	22	8	1	sw.	William C. Faust.
	Chambersville.....	Indiana.....	1,047	38	71.4	+1.4	92	12	48	5	38	1.32	-2.60	0.50	0	8	2				

Daily Precipitation for August, 1939

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage																																	
Allentown ²	Lehigh				.71	.21			.02	T.	T.				.66	T.			*	.26	.69	.07					T.				T.		2.62
Altoona	Juniata			.34	.93				.52	.05					.07				.07	.05	.07					.01							2.11
Ansonia ²	W. Br. Susq.	.09		.98	.20						.03				.19						.08					.02	.07						1.66
Ardmore ³	Lower Del.	T.		.46	T.						.20		1.10		.23					4.54		.18			.24	.09			.27	.93	.02	8.26	
Arendtsville ²	Lower Susq.			.03					.20					.06				.01	.08	.61	.55					.20						1.74	
Baker's Summit	Juniata			.66	.77			.10	.45											.65					.52							3.15	
Bald Eagle ¹	Middle Susq.			.33	.57			.04	.06					.12						.30	.17	.02			.07							1.68	
Bedford ²	Juniata			.04				.80						T.	T.					T.	.30	.10			.05	.85						2.14	
Bellefonte	W. Br. Susq.			T.	.12			.03						.51						.06	.35	.12			.05	T.						1.24	
Berwindale ¹	W. Br. Susq.						.08							.91																		0.99	
Bethlehem	Lehigh			.84				.05		T.				.70						.68	.15	.08			.02	T.				.02	.02	2.56	
Bloomsburg	Susquehanna		1.00	.67				.10						.96						.23	.56	.05		.11	.12							3.80	
Blossville	Lower Susq.		.15					.10						.20			.75	.70	.65				1.10		T.							3.65	
Buffalo Mills ²	Potomac				.32			.75												.38												1.45	
Carlisle	Lower Susq.			.02	T.			.19							T.			.09	.04	.65	.05			T.	.05					T.		1.09	
Carter Camp ¹	W. Br. Susq.		.59	.07	.21					.08				.20						.10					.10							1.35	
Center Hall	Susquehanna				.20			.15						.29						.23	.15	.18										1.20	
Chambersburg ²	Potomac				.08			.42						T.					.02	.35	.13	.02										1.02	
Clearfield ²	W. Br. Susq.							.08							.19					T.	.06				.08	T.						0.41	
Coatesville	Lower Del.							.46	.03						.06	.97			.32	4.98		.72		T.	.58				.03	.22		8.37	
Colebrook	Lower Susq.	T.	.06	3.38	3.36			.15	.03					.06	.92	.05			T.	1.46	.04			T.	.14					T.		9.65	
Conshohocken	Schuylkill																																
Covington ²	N. Br. Susq.	.05		.20	.15						.05			.24	.15			.03			.06				.30							1.23	
Doylestown	Lower Del.			.55				.29	T.					.49						2.37		.37			.01	.01			.07	.76	.04	4.96	
Driftwood ¹	W. Br. Susq.			1.60					.18					.23	.49					.07					.21							\$	
Du Bois	W. Br. Susq.		.04	.20			T.							.15						.06	T.		.18	.01		.09						0.73	
East Waterford ²	Middle Susq.			.60	.01			.13						.70				.07		.55	.70				.21	.34						2.61	
Emporium	W. Br. Susq.		.20	.37				.17						.80											.08							1.52	
English Center ¹	W. Br. Susq.		.06	.20	.09			.02												.03					.21							1.41	
Ephrata	Lower Susq.			.92				.55		.01				.45						3.12	.07	T.			.16	.06						5.34	
Fredericksburg ²	Schuylkill			.46				.07				T.	T.	1.46		T.				.80	1.08	.03	.02		T.				T.	T.	.04	3.96	
Freeland ²	Lehigh			T.	1.30	.40		.18	.02	T.				.68						.10	.53	.43			.30	.13						4.14	
Galeton	N. Br. Susq.	T.		.03	1.20			.45						.24						.10	.03				.15							2.20	
George School	Lower Del.			.02	.02			.10			.13			.13			.25	T.	.09	3.40	.07	.05		.10	.03		T.		.26	1.54	.10	6.29	
Gettysburg	Potomac				T.			.34										T.		1.03		T.			.22	.01						1.60	
Girardville ²	Lower Susq.		1.66				.23		T.					.33				.01		.16	.53	.97			.09	.39						4.37	
Gordon	Lower Susq.			.62				.20						.33	.26			1.46		.67	.12	1.90	.07		.02	.57						6.22	
Gouldsboro ²	Lehigh		.34	.28	.20			.17	T.	.43	1.52										.55	.09			.22						.12	3.92	
Graterford	Schuylkill			.28				.19							.72					2.46	.19	.60			1.83			.04			.59	6.90	
Hanover	Lower Susq.			.11	.02	.15		.26	.02					.20		T.			.04		1.35	T.	.03			.67						2.65	
Harrisburg ²	Lower Susq.	.02		1.51	.07			.07						.20				.84	T.	.58	.01			.73	T.							4.09	
Hawley ²	Upper Del.			.10	.09			.02		.17				.61						.72	.03				3.34						.51	5.59	
Hollisterville ²	Upper Del.	T.		T.	.40			.02		.03				.44						.88	.05				3.56							5.48	
Holtwood ²	Lower Susq.		.20		.07			.30		.03								.01		.98	.40	.73			1.38							4.10	
Huntingdon	Juniata			T.				.20	T.					T.					.83	.49	T.			T.								1.52	
Huntsdale ¹	Lower Susq.			.10			.12	.01	.03					.10	.08			.44	1.40	.96				.14								3.38	
Hyndman ²	Potomac		T.		.17			.39						T.						.66	.04											1.26	
Kylertown ²	W. Br. Susq.	T.		.02	.43			T.	.07	T.				.42	T.				.09	.08	.02		T.		.02							1.15	
Lakeville ²	Upper Del.	.02		1.51	.07			T.		.22				1.32				T.			.93					6.13					.29	9.07	
Lancaster	Lower Susq.		.13	.02		.28		.90						.60						2.92	.06	.25		1.01	.09							6.26	
Lansford ²	Lehigh			.61	.11			.24	T.	.12				1.23						.28	1.22	2.11			T.							5.92	
Lawrenceville	N. Br. Susq.			1.50	1.17			.50	.06					T.						T.	.10				.05							3.38	
Lebanon ²	Lower Susq.	T.			T.			.12		T.	.04			1.40				.65	.87						.10						.05	5.58	
Lehighton ²	Lehigh			.68	.12			.26		.19				.82						.85	1.05	2.63										6.60	
Lewistown	Middle Susq.			.95				.21	.02					.04						.30	.25	.06			T.	.02						1.85	
Lock Haven	W. Br. Susq.	.20		.12	.09			.02						.25	.96						.12	.09			.05							1.90	
Mapleton Depot ²	Juniata			.03				.15																									

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Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Sellersville	Lower Del.			.27					.76					.10	.70					1.59	.20	.15				.83					.09	.14		4.83
Shade Gap	Middle Susq.		1.04	.10				.34											.40	.26						.06							2.20	
Shawmont	Schuylkill		T.	.16				.08						.55		.01			4.25	.29	.28					.05	.08			.08	.85	.03	6.71	
Shippenburg	Lower Susq.		.10	.30				.18		.07				.10	.03				.37	.48	.09												1.42	
State College	W. Br. Susq.			.11	.77			.10						.56	.06				1.30	.86	.10					.03							3.99	
Stroudsburg ²	Upper Del.	.30	.10	2.00				.10			.05			.50								1.60				.05							4.70	
Sunbury ²	Lower Susq.	.03		.96	.20			.15	.03	T.				.10					.18	1.09	.43					.03	.70				T.		8.90	
Susquehanna ²	N. Br. Susq.			.55	.32			.14		.23				1.40						.01							.35				T.		2.66	
Towanda	N. Br. Susq.		.06	.09	.07			.13					.93	.44						1.36					T.						T.		1.78	
Weikert	Lower Susq.	.31		.12	.30			.31					.15					.15	T.	.36												2.70		
Wellsboro ²	N. Br. Susq.	.05		1.07	.25			.02					.35			T.				.63	.97			.01				.20				2.06		
Wernersville ² , [nr]	Schuylkill			1.38	.01			.14					2.15	.03						.63												5.32		
West Chester	Lower Del.				.01			.35										T.		5.60	.18	.49			T.	.09			.06	.35		7.16		
Vastgrove ²	Lower Del.							.42		.19									.67	4.00	.65							.68	.02			6.90		
Wilkes-Barre ^{**}	N. Br. Susq.		T.	.56	.49			.05	.10				.10	.61					.21	.02	.07				.36	.08			.01	.01		2.67		
Wilkes-Barre ² [, nr]	N. Br. Susq.	.03		.26	.65	.18		.15	T.	.12				1.35						.26	.13											.04		
Williamsport	W. Br. Susq.				.11	.36		.08						.50					.41	.64												2.48		
Williamstown	Lower Susq.	T.		.11	.75	T.		.20	T.					.47					.95	.14	.69											3.43		
York	Lower Susq.			.10				.63						.17					.07	.97	.05				.15	1.24						3.38		
York Haven ²	Lower Susq.			.89	.16			.46						.28						.30	.92											5.08		
Zionsville, (near)	Schuylkill			.35		.15		.12						.80				T.		.28	1.22	.30								T.	T.	T.	3.22	
Trenton, N. J. ¹	Lower Del.		.35	.15				.07	.03					.16		.04		2.00	3.51						.15	.04			.21	.84	T.	7.55		
Ohio Drainage																																		
Acmetonia ²	Allegheny			.04				.25	.17	T.				.55					T.	T.	.25	T.										1.26		
Beaver Falls ²	Beaver			.09				T.	.30					.45						T.	T.	.36			T.							1.20		
Blairsville ²	Allegheny																			.07												1.36		
Bradford	Allegheny		.45	.31				.03	.24					.16						.07				.10								1.36		
Brookville ²	Allegheny	T.			1.58						.36			.43					.19	T.	T.	.04										2.60		
Bucktown ¹	Allegheny						.42		.18			.05	.07					.31	.20	.08				.18								1.49		
Butler ²	Ohio	.02		.12				.22					.50	.11					.06	.48												1.47		
Chambersville	Allegheny	T.		.44	.01			.13	.01				.57						.07					.05								1.32		
Clairton ³	Monongahela						.79	.12	T.				.03					.48		.04	.01	T.										1.47		
Clarion ²	Allegheny			.14	.80					.87			.07	.36					.27	.20	.23											2.98		
Claysville	Ohio	.04		T.	T.			T.	1.44	.01			T.	.10	.03				T.	.20	.07				T.					.05		1.85		
Conduence ²	Youghiogheny			.65	.19			.58	T.				.49	.12					T.	.10												2.18		
Connellsville ²	Monongahela			.27				.63	.02	.01				T.					.01	.39	.30								.02			1.65		
Coraopolis ²	Ohio			.34				.29	.24					.41										T.								1.28		
Corry	Allegheny	.12		.73					.27					.41							.10	.19										1.82		
Coudersport	Allegheny				1.60					.56																						2.16		
Derry	Conemaugh		.15	T.				.85	.05			.03							.03		.05			.03								1.19		
Donora ²	Monongahela		.02	.08			1.21	.23					.04								.16					.01						1.75		
Dunlot	Allegheny						.75	.03	.04				.03																			1.51		
Ebensburg	Conemaugh		T.					.28	.07				.13					.34		.12	.13					.32						0.84		
Franklin ²	Allegheny	.31		.30					.07	.23			.10	.43					.02	T.		.17										1.63		
Greensboro ²	Monongahela			.21				.71	.07					.06				.25			.02	.04			.01					T.		1.37		
Greensburg	Youghiogheny						.11	.62	.07				T.						T.	.03	T.											0.83		
Greenville	Beaver		2.70					.04	.47				.75							T.	T.				T.							3.96		
Grove City	Beaver	.13	.34	T.				.06	.35				.06	.25					T.	.05	.03	.34										1.61		
Irwin	Monongahela		.08	T.				1.02	T.				T.							T.	T.				T.							1.10		
Johstown	Conemaugh			.04				.85	.04				.05						.22	.15		.05			.06							1.46		
Kane Forest Sta ¹||	Allegheny	.09	.14	.27				.51			.16		.25					.05	.06		.01			.08								1.46		
Kregar ²	Youghiogheny			T.	T.			.47	T.					.03						T.	T.											1.00		
Lake Lynn ²	Monongahela			.06				.98	.08					.56					.13		.04											1.72		
Linesville ²	Beaver							.44	T.					.30																		0.87		
Lock No. 4 ²	Monongahela			.08				.57	.21					.10					.16											T.		1.19		
Lock No. 5 ²	Allegheny		.02	.04				.13	.12					.34					.03	.23	T.	.04			.01				.03			0.88		
Lycippus	Conemaugh			.04				1.05	.02				.20	.03					.13	.08	.05	.09										1.71		
Marienville ¹	Allegheny		.16	.09										.75																		1.22		
McKeesport ²	Monongahela						.77	.13	.03				.14	.51				.25	.04	T.	T.	T.			T.							2.18		
Meadville ²	Allegheny			.69				.55	.06											T.	T.	.23										2.10		
Mercer ¹	Ohio	.11		.81				.12	.27				.42							T.		.02										3.32		
Mercery ²	Ohio		T.	2.12				.02	.22	.57				.18	.21					T.												1.71		
Midland	Ohio		.02				.22	.25						.27	.90					T.	.03					T.				.02		1.20		
Mosgrove ²	Allegheny	.02	.01		.34			.02	.04	T.				.40												.01						1.23		
Mount Lebanon	Ohio		.04				.43	.23	.11					.32					.01	.09	T.											1.18		
Natrona ²	Allegheny			.02				.18	.16					.53							.27	.01			.01							1.58		
New Castle	Beaver		.30					.25	.27			.01	.58	.06					.09						T.	.02						0.73		
Newell ⁴	Monongahela			.11				.45	.02	.15																						0.66		
Parkers Landing ²	Allegheny		T.					.15	T.					.38																				
Pennline ²	Beaver		T.						.44					.42							.17	T.			.31							1.34		
Pittsburgh ¹	Ohio		</																															

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First-order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ** Precipitation for period, 7:30 p. m. to 7:30 p. m. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. ‡ Daily amounts inconsistent. Post Office addresses are as follows: of Blossville, Newville: of Acmetonia, Barking; of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Lock No. 5, Schenley. § Airway Station. † River Station. ||| Formerly Dahoga and Kane(near).

Daily Temperatures for August, 1939

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Altoona	83	88	86	80	80	77	61	64	66	62	53	59	68	63	67	61	60	61	64	60	62	52	51	62	60	50	54	51	55	54	51	58.7		
	Minimum	63	62	61	52	54	41	46	46	42	33	39	48	43	47	41	40	41	44	40	42	32	31	42	40	30	34	31	35	34	31	38.1		
Bedford	87	89	90	83	85	81	89	86	89	87	86	90	91	88	89	91	92	90	83	89	88	83	88	89	84	83	84	81	83	85	86	86.8		
	Minimum	65	63	63	65	61	49	59	65	68	55	54	59	66	75	59	63	62	63	68	63	60	55	52	68	64	53	55	55	56	53	52	60.6	
Bethlehem	94	90	93	92	90	92	88	87	92	90	88	88	94	92	92	92	91	90	87	91	89	88	88	82	83	81	81	77	73	78	87.9			
	Minimum	68	68	68	64	60	60	64	65	68	69	61	65	70	69	64	72	69	70	70	67	71	69	61	66	67	65	62	64	63	63	66.0		
Bloomsburg	89	88	90	84	83	84	86	83	89	85	85	87	89	83	88	89	88	89	86	85	84	83	85	86	84	81	80	82	81	86	85	85.4		
	Minimum	65	65	65	65	64	66	60	65	64	59	66	60	69	64	59	64	64	63	65	64	66	64	60	63	66	65	64	57	55	53	61.7		
Brookville	85	86	88	80	80	77	61	64	66	62	53	59	68	63	67	61	60	61	64	60	62	52	51	62	60	50	54	51	55	54	51	58.7		
	Minimum	58	60	58	58	45	48	48	48	48	35	44	55	62	60	50	50	54	57	61	60	54	49	46	51	48	44	46	46	47	50	48	52.8	
Butler	89	93	79	85	88	89	88	89	87	85	89	93	94	88	89	93	91	89	87	88	87	84	89	87	86	83	88	89	87	88	91	83.1		
	Minimum	64	63	68	67	50	52	61	55	75	56	61	64	66	62	54	55	60	60	66	52	54	55	48	64	53	48	53	54	52	58	54	57.8	
Carlisle	93	93	94	84	90	88	94	92	95	90	93	92	96	93	92	94	88	90	83	90	89	88	88	90	81	84	82	80	88	83	88	89.2		
	Minimum	65	70	68	67	57	57	61	67	63	62	64	66	69	71	67	67	67	68	63	68	65	56	70	62	66	59	60	60	58	58	64.1		
Chambersburg	90	90	93	87	88	87	90	87	93	89	90	91	95	91	91	94	93	87	78	91	89	87	89	93	87	85	86	80	86	89	91	88.9		
	Minimum	67	68	70	69	55	59	62	68	73	68	59	65	69	72	68	67	67	67	64	66	63	56	69	68	62	62	61	60	58	58	64.7		
Chambersville	86	86	85	82	83	84	85	86	86	83	85	88	92	88	84	87	88	88	82	85	85	79	88	84	85	81	85	82	83	85	89	85.3		
	Minimum	63	61	64	63	48	52	56	61	71	53	51	63	69	64	53	56	58	64	66	57	57	55	61	61	54	49	53	53	54	56	52	51	57.6
Claysville	84	85	82	80	82	83	85	85	84	85	88	87	86	85	86	87	88	88	82	85	85	79	88	84	85	81	85	82	83	81	84	83	83.7	
	Minimum	59	60	65	63	59	63	62	65	70	63	65	70	71	69	60	63	63	69	68	69	67	67	56	60	60	57	60	58	57	56	56	62.8	
Clearfield	84	85	87	84	84	82	85	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	
	Minimum	62	62	62	63	46	49	56	59	64	52	52	56	65	61	52	52	58	60	65	63	60	51	48	60	55	48	48	50	55	50	49	55.9	
Coatesville	83	88	92	85	85	88	92	84	93	85	87	89	93	88	89	89	92	90	75	90	89	84	86	90	80	81	79	76	74	70	78	85.3		
	Minimum	66	66	64	61	58	61	60	65	65	59	64	71	64	63	67	61	66	70	63	68	65	62	64	66	63	61	63	62	59	60	63.6		
Corry	86	90	80	81	85	87	84	85	85	76	88	94	91	83	86	87	89	89	83	87	84	84	84	85	80	80	82	81	85	82	81	82	81.6	
	Minimum	63	63	67	62	50	49	57	60	68	52	49	63	67	52	50	47	50	56	62	60	55	53	48	59	51	45	48	48	47	50	51	54.9	
Coudersport	88	86	87	82	80	88	87	84	82	88	82	87	89	86	88	85	89	84	92	90	92	79	87	83	85	87	80	82	84	83	86	85	85.7	
	Minimum	54	60	58	60	62	58	59	62	60	61	65	68	65	70	62	54	58	60	62	45	50	47	56	60	62	57	60	54	58	58	58.8		
Donora	88	88	84	84	86	86	88	88	86	86	86	92	92	90	88	89	88	93	87	81	86	88	80	88	86	83	86	84	85	86	88	86.7		
	Minimum	65	66	70	60	57	60	64	68	66	59	60	73	73	68	61	61	63	69	68	65	65	61	55	66	61	57	59	62	60	58	63.1		
Ebensburg	80	84	86	76	78	80	77	80	80	80	81	84	84	87	85	82	82	85	85	80	75	78	77	82	80	78	79	80	82	80	82	80.9		
	Minimum	61	62	62	63	46	52	58	62	67	56	50	62	54	61	56	58	58	63	65	61	59	52	51	62	58	51	52	55	51	51	57.1		
Emporium	80	87	84	80	84	84	82	82	85	78	86	91	85	83	86	89	90	91	80	85	85	84	88	86	89	89	84	83	86	85	88	85.1		
	Minimum	59	65	62	63	50	54	55	57	65	54	54	56	65	61	55	51	56	57	65	65	59	55	51	53	53	47	61	47	52	52	44	56.2	
Ephrata	93	92	96	89	90	90	92	89	95	90	94	92	97	89	87	93	91	95	90	94	92	88	91	86	83	85	87	82	80	78	87	89.6		
	Minimum	67	71	73	64	62	60	65	68	69	67	61	65	72	70	68	70	68	69	67	67	72	68	68	67	64	61	62	62	61	60	66.0		
Erie	79	83	78	76	79	84	83	85	76	73	83	91	79	79	83	83	79	68	69	67	67	72	68	68	67	64	61	62	62	61	60	66.0		
	Minimum	72	73	70	68	64	63	68	68	68	63	60	71	69	64	63	68	63	65	71	68	65	62	60	66	63	61	60	62	63	64	63	65.4	
Franklin	85	84	75	76	77	84	83	84	85	72	87	89	76	84	83	88	87	89	85	78	81	75	80	84	81	77	81	80	79	86	84	81.9		
	Minimum	63	65	67	63	52	53	55	60	61	56	54	54	64	59	56	55	56	58	61	60	56	55	50	54	51	52	53	52	52	56	56.5		
Freeland	85	83	84	78	80	81	83	83	82	79	83	82	86	83	83	83	88	84	74	82	83	80	83	82	77	80	78	77	77	77	77	81.4		
	Minimum	65	61	65	61	56	62	63	65	59	57	62	66	63	62	65	63	67	63	62	65	63	57	65	67	57	57	58	56	55	55	61.4		
George School	92	83	91	82	91	90	91	86	95	92	92	90	94	92	91	90	92	92	78	88	90	86	90	88	79	80	83	79	76	66	74	86.7		
	Minimum	68	65	68	62	58	63	69	69	69	61	64	68	70	65	76	72	70	68	68	71	67	60	66	71	69	64	65	61	57	60	66.3		
Gettysburg	91	91	92	89	89	89	89	88	93	91	90	91	94	90	90	91	91	87	83	91	89	86	87	91	84	82	84	82	83	86	89	85.5		
	Minimum	66	71	71	67	59	58	62	66	72	67	60	63	70	72	70	60	68	67	70	64	67	67	58	72	68	67	63	62	64	60	65.5		
Gordon	87	85	86	82	84	84	87	82	87	88	87	91	84	86	88	91	88	82	86	84	81	84	85	82	77	80	77	79	77	79	82	84.3		
	Minimum	58	61	67	63	51	51	58	66	57	51	61	70	65	54	63	63	64	64	66	63	61	49	64	64	66	52	52	51	54	51	59.2		
Greensburg	83	85	83	80	83	87	87	84	83	82	92	93	88	85	86	90	91	86	80	83	86	76	89	84	84	82	83	80	85	84	87	84.9		
	Minimum	63	64	68	66	53	56	60	65	72	57	67	68	70	66	60	62	62	66	67	61	63	57	63	66	63	53	56	58	59	55	61.4		
Greenville	89	91	9																															

Daily Temperatures for August, 1939—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	16	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Port Clinton.....	Maximum.....	90	87	88	90	85	85	87	88	91	88	88	86	91	90	90	85	89	90	84	84	86	87	85	85	84	84	82	82	81	76	85	86.2		
	Minimum.....	63	63	67	61	56	54	59	67	67	62	54	61	70	68	58	64	66	66	68	68	69	64	53	64	67	62	54	56	54	58	67	61.9		
Quakertown.....	Maximum.....	90	86	92	80	88	87	88	83	90	86	85	87	92	87	87	87	97	85	81	85	87	83	85	86	79	76	76	76	76	75	84.3			
	Minimum.....	66	63	66	62	59	55	61	60	65	65	55	61	66	68	60	67	68	66	67	67	70	64	54	61	65	63	60	61	56	61	62.7			
Reading*.....	Maximum.....	89	88	90	82	85	87	87	82	90	84	86	87	91	85	85	88	90	87	74	86	86	82	86	85	81	82	81	78	77	73	81	84.4		
	Minimum.....	70	71	67	65	64	62	67	68	72	69	63	68	69	69	67	71	70	71	64	67	71	69	62	70	69	65	65	64	63	62	64	67.0		
Retreat.....	Maximum.....	89	86	87	80	81	84	85	85	85	81	84	82	90	83	86	87	86	89	80	83	83	80	83	84	82	79	80	80	78	79	83	83.4		
	Minimum.....	64	62	65	65	55	56	60	66	65	58	55	61	68	64	58	64	62	63	66	65	62	63	57	63	65	66	57	58	55	54	60.9			
Ridgway†.....	Maximum.....	83	85	87	82	78	81	84	83	82	83	82	83	75	88	91	84	84	85	89	88	91	81	82	83	75	86	82	82	81	84	82	83	83.5	
	Minimum.....	58	54	68	62	48	49	51	58	64	50	50	52	64	58	53	49	51	57	61	63	53	53	46	49	49	47	45	45	46	48	50	53.3		
Scranton*.....	Maximum.....	90	87	90	79	83	85	89	82	87	83	88	89	91	85	89	90	89	90	76	84	86	82	86	86	84	80	81	80	79	79	83	84.9		
	Minimum.....	69	59	67	65	56	58	63	68	67	63	68	64	69	64	60	65	66	65	67	69	70	65	67	66	67	62	56	59	59	59	57	63.2		
Selinsgrove.....	Maximum.....	88	89	90	82	85	85	85	84	88	86	87	89	91	95	91	91	92	91	89	87	86	85	86	85	84	86	83	81	85	87	90	87.2		
	Minimum.....	62	63	69	67	56	59	63	67	70	62	57	62	72	67	60	66	66	65	65	65	65	64	62	60	59	56	60	54	57	67	65	63.2		
Somerset.....	Maximum.....	76	81	81	75	80	78	85	79	80	77	84	85	84	82	86	82	82	81	82	82	81	75	82	79	77	84	81	79	77	79	76	81	82	80.4
	Minimum.....	60	55	53	62	41	45	50	62	61	53	46	57	62	60	52	54	52	55	64	56	59	49	43	57	56	43	47	48	52	45	44	53.0		
Springs.....	Maximum.....	78	81	81	75	77	73	80	80	77	75	80	82	81	80	81	82	82	82	73	72	67	73	81	77	78	75	73	73	76	76	80	77.3		
	Minimum.....	61	58	55	60	44	48	52	62	62	53	48	55	61	60	55	55	54	58	63	59	58	50	47	55	65	48	47	50	54	54	48	54.5		
State College.....	Maximum.....	88	90	92	82	83	82	87	83	86	82	87	90	88	86	87	90	88	86	86	86	86	86	85	82	84	81	81	83	83	84	86	84.9		
	Minimum.....	64	68	66	63	52	57	65	69	58	54	62	69	63	59	60	63	58	64	62	63	58	53	53	53	53	56	55	54	59	52	56	59.8		
Stroudsburg†.....	Maximum.....	91	89	86	81	87	89	86	78	91	89	87	89	91	88	89	90	91	83	88	90	88	86	83	79	81	83	86	77	82	84	86.2			
	Minimum.....	65	56	64	66	55	59	62	67	66	65	58	61	62	56	54	56	61	66	62	65	63	61	54	56	59	60	54	57	56	61	63	60.6		
Towanda.....	Maximum.....	91	89	93	84	88	89	92	90	89	85	89	93	92	86	90	93	90	93	81	87	91	86	89	90	92	86	85	87	86	88	89	88.8		
	Minimum.....	65	57	62	66	49	52	56	63	68	56	52	57	69	62	57	66	59	66	67	65	64	63	51	65	64	52	52	50	52	50	67	58.5		
Uniontown.....	Maximum.....	85	86	86	82	83	87	86	85	84	91	93	89	85	88	90	91	86	82	88	85	80	88	84	84	82	84	82	84	82	84	83	86	85.5	
	Minimum.....	65	64	67	67	52	56	60	67	74	57	59	66	71	69	63	60	62	67	71	62	64	60	54	65	61	52	56	60	60	55	55	62.0		
Vandergrift*.....	Maximum.....	84	89	78	81	82	87	88	85	87	82	90	93	85	87	87	90	89	85	78	84	88	79	88	86	82	84	83	82	88	91	89	85.5		
	Minimum.....	65	64	68	58	53	57	59	66	62	56	56	66	69	63	59	59	63	64	65	61	62	58	64	63	57	51	55	62	64	54	54	60.2		
Warren.....	Maximum.....	83	87	77	78	84	85	84	83	83	76	89	90	84	85	86	90	90	93	84	83	85	74	85	83	79	78	80	82	86	84	86	83.7		
	Minimum.....	62	64	67	59	50	51	58	63	62	64	53	62	67	58	56	64	55	69	64	61	56	55	52	60	62	51	50	51	52	54	55	57.0		
Waynesburg.....	Maximum.....	84	85	81	82	83	83	86	85	83	81	89	88	87	87	88	89	92	86	86	81	84	78	86	83	83	84	84	83	85	84	89	84.8		
	Minimum.....	61	62	63	66	51	55	58	65	62	54	56	67	68	66	61	60	62	63	65	61	61	58	49	64	57	52	52	57	53	55	63	59.3		
Wellsboro.....	Maximum.....	86	84	87	78	82	83	86	83	85	82	85	88	86	82	87	91	81	85	83	80	80	85	86	85	78	79	81	78	81	80	83.8			
	Minimum.....	64	65	61	64	50	63	62	62	67	54	54	55	64	58	54	52	51	57	64	64	58	56	52	63	58	50	49	48	48	49	60	56.8		
West Chester.....	Maximum.....	92	91	93	82	88	89	91	88	94	86	90	91	94	88	91	90	92	93	80	91	90	86	88	91	79	82	81	75	76	67	80	86.7		
	Minimum.....	66	67	68	65	64	60	64	68	69	68	64	67	70	69	69	70	69	69	69	65	70	68	59	66	70	66	64	64	62	57	62	66.1		
Wilkes-Barre.....	Maximum.....	92	87	91	81	85	87	89	83	88	85	88	89	91	86	89	91	90	91	79	85	87	83	87	86	84	80	83	82	81	83	84	86.0		
	Minimum.....	66	59	64	65	54	55	62	67	66	59	61	62	68	64	58	64	64	63	71	66	70	63	55	64	67	61	54	55	56	55	53	61.4		
Williamsport.....	Maximum.....	89	88	92	82	84	86	86	84	89	83	86	83	87	83	88	85	87	92	80	85	85	79	79	85	87	79	80	82	82	85	87	84.8		
	Minimum.....	68	65	67	67	64	56	60	65	70	60	57	60	71	64	68	60	60	62	70	66	66	63	54	65	65	57	55	53	59	53	56	61.5		
Williamstown.....	Maximum.....	88	88	87	83	81	85	87	84	85	86	88	88	90	88	89	89	89	85	88	87	85	86	85	85	84	84	82	82	82	84	85.9			
	Minimum.....	67	66	68	61	56	64	63	63	68	60	57	64	64	68	66	65	68	63	64	61	64	61	57	64	63	66	62	58	56	57	56	62.7		
York.....	Maximum.....	90	90	92	85	87	86	88	86	94	90	89	88	94	92	87	89	91	90	82	89	88	86	85	88	88	80	81	79	79	80	83	86.6		
	Minimum.....	62	67	69	66	58	58	62	67	69	63	58	64	71	70	70	67	66	68	70	63	67	65	55	69	65	62	59	60	60	56	57	64.0		

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. ., ., ., etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Erie.....	29.96	30.23	26	29.70	9	6.7	20	sw.	9	77	65	70	78
Harrisburg.....	29.97	30.24	12	29.75	4	6.8	34	s.	19	79	47	62	68
Philadelphia.....	29.97	30.28	12	29.75	4	10.6	39	s.	3	80	60	68	55
Pittsburgh.....	29.99	30.22	11	29.78	4	8.2	25	w.	7	82	47	58	78
Reading.....	29.97	30.27	12	29.75	4	9.1	35	e.	19	73	56	65	48
Scranton.....	29.98	30.26	11	29.76	4	5.3	20	sw.	1	78	51	59	66

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

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GENERAL SUMMARY.

This month accumulated a moderate excess in temperature which was common to nearly all parts of the State. Fourteen Septembers have shown a little higher mean temperature during the last fifty-two years. The temperature rose into the higher nineties in nearly all parts of the State on the 8th, and at a few stations it set a new September record. The coldest period was generally from the 18th to 22d inclusive, when frost or light freezing occurred locally in the northern tier of counties and in the mountains. The damage was mostly confined to tender garden plants, and was unimportant. The distribution of rainfall for the month was unusual, the greatest amounts being in the northern and south-central counties, while the driest region was the Lower Delaware Valley. The distribution through the month was also unusual. Moderate rains were fairly general on the 4th and 5th, and partly relieved a drought period which included the last ten days of August. After these rains there were only light and local showers until the 29th and 30th, when heavy rains occurred in nearly all parts of the State. These constituted fully one-half of the September rainfall. The comparatively dry interval of 22 days was unfavorable in many respects. It exceeded the July drought in duration, but occurred at a less critical period of the crop growing season. The chief damage was to the late hay crop, and to pastures. Also the dry condition of the top soil caused the farmers, in the greater portion of the State, to delay the seeding of the winter grains, the most of which is usually done during the last ten days of the month. Silo filling, which was in progress during the last week of August, continued during the first half of September. Corn matured rapidly, and cutting and shocking began early in the month. Favorable weather allowed the work to progress rapidly, and husking became fairly general by the end of the month. The crop was reported as being good to excellent. The digging of potatoes was in progress during the entire month, chiefly for current market needs. An average crop was reported in most of the southeastern counties, while blight did more or less damage elsewhere. A fair crop of buckwheat was harvested during the month, the summer droughts being more or less unfavorable according to location. Peaches were generally only fair in yield and quality, being somewhat undersized. Apples gave fair yields in most regions, while quality was considerably above the average. Grapes, which are chiefly grown in the northwestern portion of the State, were reported to be plentiful and of excellent quality.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 92 stations, was 65.9°, which is 1.7° above the 52-

year normal for September. The highest monthly mean was 71.5° at Marcus Hook, and the lowest, 58.0°, at Mt. Pocono. Extremes for the month ranged from a maximum of 101° at Chambersburg on the 8th, to a minimum of 27° at Gouldsboro on the 18th and 19th. The greatest daily range in temperature was 48° at Mauch Chunk and Brookville on the 22d, and at Huntingdon on the 24th.

PRECIPITATION.

The average precipitation for the State, as determined by the reports from 179 well-distributed stations, was 2.95 inches, which is a deficiency of 0.44 inch as compared with the 52-year normal for September. The greatest monthly amount was 6.27 inches at Coudersport, while the least, 0.70 inch, was recorded at George School. The greatest amount recorded in any 24 consecutive hours was 3.40 inches at Muncy Valley on the 30th.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	59.6	84	29	4.84	.....	10	8	11	11
1889.....	61.9	92	30	5.05	.....	13	8	8	14
1890.....	62.2	91	25	4.57	.....	11	10	9	11
1891.....	66.6	94	32	2.39	.....	7	17	8	6
1892.....	62.4	90	29	2.81	.....	7	16	7	7
1893.....	61.2	90	26	2.67	.....	8	9	12	9
1894.....	66.6	95	24	6.30	.....	10	10	10	10
1895.....	67.8	100	24	1.71	.....	6	16	9	5
1896.....	63.6	98	26	4.82	.....	10	13	8	9
1897.....	63.8	100	24	2.18	.....	5	18	7	5
1898.....	66.0	100	25	1.70	.....	6	16	8	6
1899.....	61.8	93	23	4.70	.....	10	12	9	9
1900.....	68.4	100	27	1.77	.....	6	13	10	7
1901.....	63.6	95	29	3.39	.....	9	14	7	9
1902.....	62.7	99	28	4.66	.....	11	12	8	10
1903.....	63.2	94	27	2.09	.....	6	17	8	5
1904.....	63.7	95	21	3.37	.....	9	13	10	7
1905.....	64.0	95	27	3.41	.....	7	15	9	6
1906.....	67.0	99	30	2.46	.....	7	15	9	6
1907.....	64.8	95	29	6.37	.....	14	8	10	12
1908.....	65.6	99	26	1.60	.....	3	17	9	4
1909.....	62.8	96	26	2.27	.....	6	15	9	8
1910.....	65.5	95	32	4.49	.....	10	13	8	9
1911.....	64.9	92	26	5.29	.....	10	13	9	8
1912.....	65.5	95	25	5.57	.....	12	12	7	11
1913.....	62.4	97	24	3.28	.....	8	13	7	10
1914.....	61.5	98	21	0.99	.....	5	18	7	5
1915.....	66.5	96	25	2.56	.....	8	16	9	6
1916.....	62.5	98	23	3.77	.....	6	17	8	5
1917.....	59.0	91	26	2.31	.....	6	16	9	6
1918.....	58.7	88	28	3.97	.....	10	12	8	10
1919.....	64.4	96	28	2.07	.....	8	16	8	6
1920.....	64.5	91	24	3.99	.....	9	16	8	6
1921.....	68.9	98	31	1.68	.....	11	13	9	8
1922.....	66.3	100	22	1.48	.....	4	19	7	4
1923.....	64.8	92	22	3.55	.....	10	13	10	7
1924.....	59.8	99	26	6.44	.....	11	11	7	12
1925.....	67.5	99	24	2.80	.....	8	11	12	7
1926.....	64.2	99	26	5.81	.....	12	11	7	12
1927.....	64.9	97	27	2.08	.....	6	18	7	5
1928.....	60.4	94	25	2.33	.....	9	12	9	9
1929.....	65.7	101	24	3.71	.....	9	14	8	8
1930.....	67.8	101	27	2.45	.....	9	15	10	5
1931.....	69.1	104	29	3.15	.....	9	16	8	6
1932.....	65.2	105	23	1.45	.....	6	16	9	5
1933.....	66.3	98	32	4.66	.....	12	13	8	9
1934.....	66.4	94	31	6.58	.....	12	12	8	10
1935.....	62.2	95	24	3.51	.....	8	15	7	8
1936.....	66.5	96	28	2.17	.....	8	14	7	9
1937.....	61.5	97	25	1.90	.....	7	17	7	6
1938.....	62.0	95	26	4.74	.....	12	11	8	11
1939.....	65.9	101	27	2.95	.....	9	14	8	8
Period.....	64.2	105	21	3.39	.....	9	14	9	7

Climatological Data for September, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days			Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear			Pt. cloudy	Cloudy
Atlantic Drainage.	Allentown.....	254	27	66.2	+1.0	97	8	39	18	38	1.33	-2.01	1.07	0	5	18	11	1	s.	John A. Frick.
	Altoona.....	1,616	52	63.6	+0.4	93	8	39	18	38	2.96	+0.01	0.63	0	10	18	8	4	e.	Robert D. Goodfellow.
	Ardmore.....	350	19	66.9	+0.1	93	8	43	19	30	2.15	-1.42	1.48	0	8	10	14	6	.....	H. L. Balderston.
	Arendtsville.....	700	17	65.8	-0.1	96	8	41	19	39	3.30	-0.36	1.30	0	8	13	8	9	nw.	Penn State Expt. Station.
	Bedford.....	1,060	7	66.4	.....	94	8	38	18	44	3.17	.....	1.02	0	6	15	6	9	s.	Charles C. Lee.
	Bethlehem.....	364	53	69.6	+2.6	98	8	40	19	36	1.25	-1.99	0.67	0	10	19	3	8	w.	Lehigh University.
	Bloomsburg.....	600	13	64.8	.....	95	8	35	18	42	1.30	.....	0.40	0	11	16	9	5	.....	Bloomsburg Water Co.
	Carlisle.....	467	70	67.6	+2.1	99	8	40	19	42	3.50	+0.78	1.15	0	6	19	2	9	se.	Prof. C. E. Miller.
	Chambersburg.....	580	42	68.4	+2.0	101	8	44	18	40	3.64	+0.67	2.34	0	6	12	11	7	sw.	William B. Spear.
	Clearfield.....	1,120	38	64.2	+0.3	93	16	33	19	41	1.78	-1.53	0.63	0	9	12	2	16	sw.	Otto J. W. Eppers.
Ohio Drainage.	Coatesville.....	380	62	65.6	-0.6	95	8	39	19	35	2.16	-1.24	1.23	0	7	9	6	15	nw.	Howard L. Pyle.
	Colebrook.....	560	27	64.1	0.0	95	8	40	18	34	4.68	+1.31	1.71	0	9	17	2	11	w.	Wm. A. Rorer.
	Emporium.....	1,050	54	63.4	+1.9	93	16	32	19	44	5.37	+1.89	1.81	0	11	16	1	13	w.	E. M. Poorman.
	Ephrata.....	380	42	68.0	+1.8	98	8	42	19	38	2.37	-1.00	1.25	0	8	16	7	7	s.	Ira J. Keath.
	Freeland.....	1,970	46	62.9	+2.8	89	7	37	18	32	1.94	-1.91	0.93	0	10	9	0	21	w.	Andrew B. Evansha.
	George School.....	190	33	67.6	+1.3	96	8	37	19	37	0.70	-2.76	0.34	0	8	17	9	4	nw.	Prof. N. W. Swayne.
	Gettysburg.....	563	66	68.7	+2.8	100	8	44	19	37	2.84	-0.75	1.14	0	7	16	6	8	e.	Dr. Henry Stewart.
	Gordon.....	840	35	63.8	+1.3	97	8	33	19	42	2.72	-1.31	1.15	0	6	16	6	8	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	1,875	24	.....	.....	.....	.....	27	18	.....	2.95	-0.81	1.10	0	7	.....	.....	.....	.....	Steward W. Eilenberger.
	Hanover.....	York.....	600	35	69.0	+1.2	97	8	46	18	32	3.86	+0.82	2.07	0	10	19	3	8	s.	Thomas Y. Cooper.
For the State!	Harrisburg.....	337	70	68.0	+2.2	99	8	42	19	39	3.43	+0.38	1.47	0	10	11	7	12	se.	U. S. Weather Bureau.
	Hawley.....	900	21	61.5	+0.3	91	16	30	19	42	2.72	-0.49	1.17	0	11	22	4	4	w.	Mrs. Della M. Pennell.
	Holtwood.....	200	24	69.0	-0.3	97	8	50	18	31	2.24	-0.52	1.03	0	8	14	6	10	nw.	H. W. Lowy, C. E.
	Huntingdon.....	650	52	64.6	-0.1	97	8	35	19	48	3.20	+0.11	1.08	0	7	16	6	8	w.	Prof. Paul R. Yoder.
	Kyertown.....	1,694	10	63.0	+1.8	91	16	35	22	39	2.21	-0.42	0.61	0	13	4	7	19	.....	U. S. Weather Bureau.
	Lancaster.....	255	52	66.8	+1.2	98	8	40	18	40	2.81	-0.56	1.22	0	7	17	8	5	nw.	Supt. of Water Works.
	Lawrenceville.....	1,000	42	64.4	+2.6	98	16	31	18	42	4.64	+1.63	1.75	0	11	15	8	7	.....	C. P. Darling.
	Lebanon.....	469	55	66.6	+0.7	99	8	42	18	39	3.66	+0.16	1.32	0	8	19	4	7	s.	Lebanon Valley Gas.
	Lewistown.....	500	1	68.4	.....	97	8	39	18	47	2.37	.....	0.67	0	7	9	10	11	e.	Penna. Edison Co.
	Lock Haven.....	580	49	61.6	-3.4	94	8	39	18	39	5.66	+2.58	2.96	0	13	10	12	8	nw.	Joseph Beaver.

Daily Precipitation for September, 1939

Stations	Drainage Basin	Day of month																															Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh							T.	.02		T.	T.		.01				.05			T.									.14		1.97	1.33	
Altoona	Juniata	.63		.52	.19						.07		.14	.34				.05											.44	.14	.44		2.96	
Ansonia ²	W. Br. Susq.				.35		.25	.06			.09	.02		.26			.36				.18	.12						.08	.73	.86		1.01	4.87	
Ardmore ³	Lower Del.				.10	.08					.05		.20	.10							T.								.04				1.48	
Arendtsville ²	Lower Susq.			T.	1.17			T.	.04		.25		.46	.03															T.	.02	.03	1.30	3.30	
Baker's Summit.	Juniata			.48	.38						.29		.10	.48																.25	.81	.36	3.15	
Bald Eagle f.	Middle Susq.		.08	.81			.31					.09					.11														1.59	.17	3.16	
Bedford ²	Juniata	.71		1.02			T.			.03		.23																	T.	.28		.90	8.17	
Bellefonte	W. Br. Susq.			.71	.60		.17	T.		.02		.08	.14													1.	.04	.15		.11	2.16		4.18	
Berwindale f.	W. Br. Susq.			.90	.02		.03					.31																		.10		.50	1.96	
Bethlehem	Lehigh				.12		.01	.01				.02	.04									.01								.10	.02	.25	.67	1.25
Bloomsburg	Susquehanna	.05		.25	.10		.02	.07		.13	T.	T.					.02				T.						T.	.04	.02		.40	.20	1.90	
Blosserville	Lower Susq.	.68	.14	.96			.14					.05	.26																		1.40	.95	4.58	
Rufalo Mills ²	Potomac	.10			.92					.12	.13		.43																T.	.05	T.	.95	.82	2.45
Carlisle	Lower Susq.	T.		T.	1.15		.08			T.		T.	.45	T.															T.	.05	T.	.95	.82	3.50
Carter Camp	W. Br. Susq.			.49	.01		.61				.08		.16				.41				.11						.05	.45	1.21		1.02	.68	4.68	
Ceuter Hall	Susquehanna			.40	.58		.11					.01	.15																.01	.03		.18	3.05	4.52
Chambersburg ²	Potomac	T.		.05	.73				.04		.29		.19																	T.			2.34	3.64
Clearfield ²	W. Br. Susq.		.29		.53							.20					.11				T.	.02					T.	.08	.02	.05		.48		1.78
Coatesville	Lower Del.			.45	.11			.01		.02			.29						.05													1.23		2.16
Colebrook	Lower Susq.			.85	.14		.08					.03	.43						.15										.04		1.15	1.71	4.58	
Conshohocken	Schuylkill				.25		.11					.18																	.08	.12		.49	1.23	
Covington ²	N. Br. Susq.			.20	.12		.07			.09	.03		.20				.22		.10	.23									.62	1.45			4.45	
Doyletown	Lower Del.				.01		.02	.03		.12		T.									.07								.09			.43	0.77	
Driftwood ¹	W. Br. Susq.			1.32	.22		.16				.02						.12		.50									.22	.44		.60	.09	3.69	
Du Bois	W. Br. Susq.			.23	.66		.23			.11		.03	.05				.62		.02							.01	.12	.47		.05	.64		3.24	
East Waterford ²	Middle Susq.			1.27			.01	.18				.27																.01	.02	.33	.66		2.75	
Emporium	W. Br. Susq.			1.25		.11	.26			.02	.09					.05		.05		.17	.18						.41	1.81			1.02		5.37	
English Center ¹	W. Br. Susq.			.61	.29		.33					.05					.30		.89								.30	.89		.54	.34		3.35	
Ephrata	Lower Susq.			.51			.01	T.		.06			.18						.31									.02		.03	1.25		2.37	
Fredricksville ²	Schuylkill		T.	.43			T.	.02		.02		T.	.23							.02	T.								T.	.04		1.34	2.10	
Freeland ²	Lehigh		T.			.04	.08			.08	.04		.17							.01									.40	.03	.16	.93	1.94	
Galeton	N. Br. Susq.			.26	.05	.40				.07		.22					.29		.07							T.	.59	1.94		T.	1.00		4.89	
George School	Lower Del.	T.			.03		.05	.02		.08	T.	T.	.06							.04									.08	T.		.34	0.70	
Gettysburg	Potomac			1.14			.09			.26		.01	.36																		.20	.78	2.84	
Girardville ²	Lower Susq.	.32		.01	.42		.07			.05		.07																		.01	1.45	.25	2.65	
Gordon	Lower Susq.			.37	.23					.13		.08																			1.15	.76	2.72	
Gouldsboro ²	Lehigh			T.	T.				.55	.05																		.62	.08	.25	1.10	.30	2.95	
Graterford	Schuylkill				.28			.06		.18			.11								.04								.16			.64	1.47	
Hanover	Lower Susq.					.86	.13	.01		.48		.03	.19														T.	.06	T.	.03	2.07	3.86		
Harrisburg ¹	Lower Susq.	T.		.01	1.02	.20	.02	T.		T.		.23	.09						.01										T.	.04	1.43	.38	3.43	
Hawley ²	Upper Del.		T.	.07	.17				.14	.05	.02		.01							.07									.17	.55		.40	2.72	
Hollstersville ²	Upper Del.	.12	.43				.10		.04			.05																		.85	.08		.78	3.10
Holtwood ²	Lower Susq.			1.03			T.	.06		.17			.32	.02																.01	.03	T.	.60	2.24
Huntingdon	Juniata	.18		1.08	T.		T.				.35	.08															T.	T.	.02		.46	1.03	3.20	
Huntsdale	Lower Susq.			.71	.05		.16				.17	.05																			1.55	.55	3.24	
Hyndman ²	Potomac			.51	.63			T.				.13								T.												1.29	2.05	
Kylertown ²	W. Br. Susq.	.02		.54	.20		.25	T.		.08		.07	.09				.18			T.	.02						T.	.05	.06		.04	.61	2.21	
Lakeville ²	Upper Del.	T.	T.		.30		.09	T.	.32	.30	.32		.48							T.										1.12	.55		.02	2.70
Lancaster	Lower Susq.			1.22			.01		.30		.01		.38							.05									.04			.69	2.81	
Lansford ²	Lehigh			T.	.93			.03		.17		.04					.08				.10								T.	.02	T.	1.38	2.67	
Lawrenceville	N. Br. Susq.			.45			T.			.12			.24	.01			.08		.80		.06						.20	1.75		.05	.90		4.64	
Lebanon ²	Lower Susq.				1.05	T.		T.				.22		.10					.02		.10						.01	T.	.01	1.32	.90		3.56	
Lehighton ²	Lehigh	T.			.40	.51		.05				T.	.15								.10							T.	T.	T.	.97		1.99	
Lewistown	Middle Susq.	.06			.40	.51		.05				T.	.15								.10							T.			.53	.67	2.87	
Lock Haven	W. Br. Susq.			.01	.93	.68		.16		.09		.01	.16					.10			T.	.10						.04	.26		.15	2.96	5.66	
Mapleton Depot ²	Juniata			.12		1.28			.02				.52				T.													.06	T.	.83	2.83	
Marcus Hook	Lower Del.					.40		.02			.02			.18															.03		*		\$	
Martinsburg ²	Juniata				.94					.02		.26		.22						.11										.04	.05	.91	2.18	
Matamoras ²	Upper Del.			.33	.03	.09	.03		.40		.17																		1.82	.20		.50	3.94	
Mauch Chunk	Lehigh									.33		.60		.04															T.		.43	.44	1.42	
McConnellsburg ²	Potomac				1.05							.20							.18													2.27	4.12	
Millersburg ¹	Lower Susq.	.07	1.74	.02	.31	.06		.04				.21	.10																		1.48		\$	
Millville	N. Br. Susq.	.08	.32	.02	.42	.21	.13			.17		.05				.03				.22									.14	.03	.60	.96	3.10	
Montrose	N. Br. Susq.				.91		.18		.33		.05					.03				.22		.18						.35	1.60		.81	.85	4.78	
Morris Run	N. Br. Susq.			.02	.37	.25	.15		.13		.20					.28				.10														

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Daily Precipitation for September, 1939—Continued from page 51

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Sellersville ¹	Lower Del.																				.03								.03	.03		2.43	2.52	
Shade Gap ¹	Middle Susq.	.04			1.12			.05	.02		.04		.25	.03													.01	.08		1.82	.72	4.18		
Shawmont ¹	Schuylkill				.11			.11		.10		T.	.15															.01	.01		.55		1.04	
Shippensburg	Lower Susq.			1.03			.85			.01		.01	.33	T.														.01		.93	1.03	4.20		
State College	W. Br. Susq.	.09	.01		.64	.39		.04			.08		.04	.11					T.			T.					T.	T.	.14		15.2	1.5	3.84	
Stroudsburg ²	Upper Del.						.25	.03		.70	T.											.40						.25			.45	2.08		
Sunbury ²	Lower Susq.		.12	.05		.51		.27	.04		.29		.09									.02					T.	.03	.02	.49	.72	2.65		
Susquehanna ²	N. Br. Susq.				.65	.39		.03		.04	.28								14									.63	1.13		.59	3.88		
Towanda	N. Br. Susq.		T.		.11	.26		.18	T.		.16		.02	.01					16			.14	.13				T.	.19	1.60	.02	.27	1.58	4.83	
Weikert	Lower Susq.				.45	.31		.10					.17															.03		.75	1.22	3.03		
Weilsboro ²	N. Br. Susq.				.03		.06	.12		.14	.08		.14						10			.08	.32				T.	.75	1.20		.85	3.87		
Wernersville ² [nr]	Schuylkill				.79			.03		.02			.15												.03				T.		1.30	2.32		
West Chester	Lower Del.				.66			T.			.03		.24															.07		T.	.67	1.67		
Westgrove ²	Lower Del.				.82			.02			.06		.37									.03							.10		.49	1.89		
Wilkes-Barre ² *	N. Br. Susq.			.06	.03	.15		.12	.25		.32		.08	.02					T.								.01	.43	T.	.25	.45	2.17		
Wilkes-Barre ² †	N. Br. Susq.		T.	T.	.52	.35		.07	.03	.10	.48		.16							T.		T.							.93	.02		.40	3.06	
Williamsport	W. Br. Susq.	.05			.72			.13	.08		.15		.04						.03									.34	.34	.39	.49	2.76		
Williamstown	Lower Susq.			.14		.52		T.	.02		.04		.21															T.	.01	1.15	.61	2.70		
York	Lower Susq.				1.12			.10			.03		T.	.58								.02							.08		.03	1.75	3.71	
York Haven ²	Lower Susq.				.03	1.09							.34																.05		.02	1.59	3.12	
Zionsville, (near)	Schuylkill				.22	T.		.04		.12			.23															T.	.15			.85	1.61	
Trenton, N. J. ¹	Lower Del.				T.	.03		.03	.02		.11		T.	T.								T.	T.					T.	.11		T.	1.18	1.48	
Ohio Drainage																																		
Acmetonia ²	Allegheny				1.10	1.11			T.				.25					.26			.03						T.				T.	.59	2.34	
Beaver Falls ²	Beaver				.88			T.			.47		.14			.01		T.			T.						T.		T.	.54	T.	.20	2.24	
Blairsville ²	Allegheny			.02		.64			.02				.32					.18			T.									.13		.57	1.98	
Bradford ²	Allegheny				.39	1.23		.56			.21		.26	.05				.33							.02	.28	1.42		.31	.57		.06	1.07	5.88
Brookville ²	Allegheny			.02		.62		T.	.12		.12			.43					.20			.06	.03						.31	.57		.52	2.59	
Buckstown ¹	Allegheny	.05	.10		1.31	.06		.15	.03	.06	.02		.43																.75	.01	.98		3.95	
Butler ²	Ohio	.42			.64			.01		.12			.08	.37						T.			.03						.12	.44		.09	.30	2.62
Chambersville	Allegheny		T.		.28	.62		.03			.05		.18	.10				.16			.10	.05				.01			.38		.01	.47	2.44	
Clairton ³	Monongahela			1.65	.65								.15							.17	T.		.03						T.		.37	.08	3.07	
Clarion ²	Allegheny			.02		.92		.02	.03		.11		.31							.07		.04	.01						.65	.78	.01	1.10	4.07	
Claysville	Ohio			.17	.29					.21		T.	.09								.20	.17								.02	.14	.45	1.74	
Conduence ²	Youghiogheny			.05	.59						T.		.25									T.								.15	T.	1.27	2.31	
Connellsville ²	Monongahela			.05	.85					.13			.18								.06									.31		.30	1.87	
Coraopolis ²	Ohio				.74			.29	.24		.18		.09		.15	.41					.03	T.							T.		.01	.26	2.13	
Corry	Allegheny			1.70			.62			.18			.09													.20	.32	1.34				.82	5.27	
Coudersport	Allegheny				.30		.66			.64			.32				.46				.48								.61	1.62		1.18	6.27	
Derry	Conemaugh		T.	.15	.45		.09			T.			.17	.20				.14			.06										.03	.38	1.67	
Donora ²	Monongahela			.15	.49					.07			.18					.01			.17	.02									.57	.01	1.67	
Dunlof	Allegheny	.30			.85		.03	.03		.22			.35					.18												.54		1.02		3.52
Ebensburg	Conemaugh			1.02		.44	T.			.03			.12	.08				T.											.82		.14	.77	3.42	
Franklin ²	Allegheny				1.84			.04		.08	.03		.28					.12											1.17	.50	.12	.65	4.83	
Greensburg ²	Monongahela			T.		.51				.09			.27								.22								T.		.18	.06	.26	7.59
Greensburg	Youghiogheny			T.	.19	.49	T.	T.		.05			.12	.06							.12						.01	T.	T.	T.	.01	.58	1.75	
Greenville	Beaver			1.62				.33			.47		.33					.08										.32	.98			.69	4.49	
Grove City	Beaver			.26	.15			T.		.20		.51	.01				.06				.01		.29	.01	1.40	T.					.95	.40	4.25	
Irwin	Monongahela			.10	.22	.42		T.		T.		.07	.05							T.		.05								T.		.63	1.54	
Johstown	Conemaugh	.30	.05	.11	.61					.18		.26	.12					.47				.01							.51		.59	T.	3.21	
Kane Forest Sta. ¹	Allegheny				.50	.29		.41		.13		.08	.02					.44			.08								.36	1.69	T.	.26	1.22	5.48
Keglar ²	Youghiogheny			1.01			.05	T.		.20		.14									.01	.02								.21	.50	.13	2.27	
Lake Lynn ²	Monongahela				.50					.11		.16									.16									.32		.57	1.82	
Linesville ²	Beaver			1.03			.02	T.		.07		.42						.04													.10	.80	3.71	
Lock No. 4 ²	Monongahela			T.	.60			.33		.14								T.			.22										T.	.55	1.84	
Lock No. 5 ²	Allegheny			.11	.57			.37		.34								.52													T.	.40	2.36	
Lycippus	Conemaugh			.12	.44		T.			.08		.08	.06																					

Daily Temperatures for September, 1939

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona.....	Maximum.....	88	84	87	81	73	72	77	93	83	76	69	58	59	73	83	92	75	68	69	65	72	76	81	86	87	73	60	66	68	78	75.7	
	Minimum.....	54	59	58	56	56	44	51	66	64	58	48	42	52	53	52	54	39	44	49	49	39	48	51	52	52	46	46	53	58	51.6		
Bedford.....	Maximum.....	87	87	89	88	77	75	90	94	89	83	75	70	61	75	83	89	89	75	70	68	71	75	82	86	83	82	65	67	72	82	79.3	
	Minimum.....	55	61	60	58	61	47	54	77	60	63	50	44	54	59	59	55	59	38	40	62	61	42	38	43	48	57	51	56	55	56	53.4	
Bethlehem.....	Maximum.....	83	85	85	84	78	77	77	98	98	98	79	73	79	81	87	90	90	72	74	77	76	80	82	89	87	81	69	82	82	82	82.5	
	Minimum.....	55	64	66	66	64	52	58	62	64	65	56	50	52	53	54	63	69	46	40	54	57	44	50	57	62	62	45	60	60	61	56.8	
Bloomsburg.....	Maximum.....	83	85	83	81	77	75	69	95	91	78	76	68	74	78	85	89	84	70	70	73	73	74	82	82	80	79	57	72	69	80	77.7	
	Minimum.....	56	62	70	61	62	55	53	59	59	60	58	42	52	52	50	54	52	35	35	49	51	36	40	45	50	62	47	49	51	58	51.8	
Brookville.....	Maximum.....	61	62	68	68	65	70	71	69	65	68	68	57	69	86	93	93	70	72	69	69	71	79	80	83	84	54	65	75	80	71.9		
	Minimum.....	49	52	50	53	52	41	46	56	55	51	47	41	47	50	53	51	55	31	32	40	42	31	36	38	45	47	46	47	53	46.1		
Butler.....	Maximum.....	91	88	87	80	68	70	81	93	90	84	73	66	74	87	95	96	92	77	76	76	71	74	83	87	86	86	75	80	85	80	81.7	
	Minimum.....	54	56	55	42	53	42	53	69	59	50	56	55	65	54	58	56	51	35	41	57	44	36	40	48	50	48	51	44	53	51	50.5	
Carlisle.....	Maximum.....	90	90	86	88	78	81	75	99	96	81	78	73	65	77	83	90	87	77	77	73	73	75	84	87	82	80	60	71	70	76	80.1	
	Minimum.....	62	65	64	68	63	51	54	64	68	65	56	50	55	52	51	56	52	42	40	53	52	42	42	47	64	67	52	55	56	62	55.0	
Chambersburg.....	Maximum.....	90	91	91	90	82	79	77	101	87	79	76	67	67	67	80	85	90	83	73	75	75	76	80	85	89	83	78	70	74	69	82	80.6
	Minimum.....	60	69	66	63	64	50	58	64	66	65	64	49	55	51	52	55	64	44	44	56	50	45	45	50	53	61	52	54	67	60	56.2	
Chambersville.....	Maximum.....	90	92	92	91	80	71	89	95	87	79	73	69	73	85	93	93	89	73	76	69	72	74	83	88	87	79	83	78	83	79	82.2	
	Minimum.....	58	64	61	71	61	50	69	70	68	64	45	54	47	67	61	64	66	49	56	60	48	42	58	47	67	63	59	58	71	62	59.6	
Claysville.....	Maximum.....	87	88	89	87	80	71	91	95	92	82	74	71	83	90	92	92	88	75	78	71	72	74	80	84	83	81	81	82	84	82	82.6	
	Minimum.....	58	64	61	71	61	50	69	70	68	64	45	54	67	61	64	64	66	49	56	60	48	42	58	47	67	63	59	58	71	62	59.6	
Clearfield.....	Maximum.....	86	84	88	88	72	72	74	86	86	74	73	68	62	77	86	94	89	71	74	74	69	74	78	81	81	76	66	78	79	74	77.8	
	Minimum.....	52	56	57	55	55	42	54	60	56	60	47	42	51	58	53	52	62	68	33	50	50	37	37	42	47	50	45	46	52	53	50.7	
Coatesville.....	Maximum.....	83	82	84	83	76	72	72	95	84	82	72	67	72	77	81	85	80	66	71	78	70	71	78	84	80	77	78	73	70	79	77.4	
	Minimum.....	53	60	65	64	61	48	56	60	60	61	54	45	51	50	49	54	60	41	39	50	54	45	46	52	58	60	47	54	59	60	53.9	
Corry.....	Maximum.....	88	92	94	82	73	69	75	85	81	75	72	61	75	89	95	94	84	74	73	76	72	77	82	81	85	72	61	77	88	58	78.7	
	Minimum.....	50	52	50	61	52	42	52	62	57	53	49	45	45	52	55	59	55	33	44	54	43	32	48	46	55	43	42	44	61	44	49.3	
Coudersport.....	Maximum.....	84	80	86	88	70	74	66	87	74	76	80	68	64	76	80	94	90	75	70	65	67	75	71	77	82	74	57	77	73	67	75.6	
	Minimum.....	60	64	63	65	43	42	46	54	65	60	62	52	43	50	58	62	60	48	42	30	43	33	39	40	48	43	48	44	43	45	49.8	
Donora*.....	Maximum.....	92	92	93	82	77	75	93	99	87	81	74	72	83	90	93	96	77	79	78	70	74	77	84	88	87	70	85	81	85	73	82.9	
	Minimum.....	63	64	65	63	62	48	57	68	62	60	48	51	58	58	61	57	48	55	59	51	43	50	57	61	55	57	58	65	52	57	57.0	
Ebensburg.....	Maximum.....	84	88	86	86	78	68	84	86	84	77	71	64	60	74	86	89	87	68	59	60	75	71	81	77	85	78	64	71	70	67	75.9	
	Minimum.....	57	58	58	58	54	43	52	71	59	58	45	42	49	60	55	55	61	38	44	49	50	37	51	42	50	55	46	48	58	58	51.6	
Emporium.....	Maximum.....	90	86	89	91	86	77	72	90	91	86	72	61	64	82	90	93	86	70	69	65	71	79	74	76	84	78	61	72	76	73	78.5	
	Minimum.....	46	48	53	46	46	38	47	64	62	59	41	44	47	53	56	57	61	35	32	36	48	49	51	39	49	52	45	47	51	51	48.4	
Ephrata.....	Maximum.....	87	87	88	88	78	74	71	98	90	83	78	68	75	83	88	92	81	73	72	81	76	78	84	88	82	76	63	74	70	81	80.2	
	Minimum.....	57	64	63	66	66	51	58	62	61	64	57	48	54	55	50	55	62	43	42	53	53	44	46	51	56	60	51	56	61	61	55.7	
Erie*.....	Maximum.....	82	82	88	81	70	66	79	82	72	71	63	62	75	90	90	89	65	73	70	66	71	76	73	76	53	61	72	84	60	69	73.8	
	Minimum.....	64	66	65	65	59	54	58	67	63	59	56	55	54	62	71	69	59	46	52	60	54	50	61	56	53	48	49	48	60	49	57.7	
Franklini.....	Maximum.....	87	88	91	75	68	68	79	85	77	74	70	59	72	76	86	92	66	68	67	71	64	72	79	73	83	55	67	72	71	58	78.8	
	Minimum.....	56	56	55	56	55	46	46	56	60	59	54	49	50	53	56	58	59	38	39	42	48	39	39	41	48	49	47	46	45	56	50.1	
Freeland.....	Maximum.....	79	79	78	71	73	68	89	80	73	72	67	62	70	74	85	89	75	65	66	68	73	78	80	75	70	54	74	62	72	73	73.0	
	Minimum.....	56	62	64	61	56	47	57	67	62	59	47	45	49	51	55	62	53	37	42	52	52	43	53	57	55	46	42	50	54	59	52.8	
George School.....																																	

Daily Temperatures for September, 1939—(continued)

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum...	83	81	83	83	80	77	71	96	96	79	80	71	73	78	82	87	87	79	68	75	73	75	80	84	82	80	61	77	72	75	78.9
Port Clinton.....	Minimum...	53	52	62	65	64	49	53	53	58	59	48	42	53	51	46	52	60	36	36	54	53	37	40	47	56	58	47	53	58	59	51.8
Quakertown.....	Maximum...	79	80	82	80	76	73	70	93	90	79	74	67	74	77	82	85	82	66	70	74	72	72	79	83	78	75	65	74	70	79	76.7
Quakertown.....	Minimum...	50	54	61	64	65	47	52	52	59	60	52	42	54	46	45	53	53	39	33	49	54	55	40	47	56	62	47	52	58	63	51.4
Reading*.....	Maximum...	82	82	84	80	77	70	68	96	80	79	70	67	73	76	82	86	73	67	70	76	72	74	81	85	80	73	57	77	72	78	76.4
Reading*.....	Minimum...	58	67	67	65	60	54	59	63	65	65	58	52	54	54	58	65	55	48	44	55	56	48	57	60	60	54	50	56	61	63	57.
Retreat.....	Maximum...	83	84	82	79	76	72	70	92	88	75	70	60	75	78	84	87	75	68	69	72	69	74	80	79	72	75	57	71	69	79	75.
Retreat.....	Minimum...	56	63	65	64	61	42	50	58	59	59	50	44	54	54	53	57	61	37	35	33	54	37	43	47	58	50	46	53	50	64	51.9
Ridgway†.....	Maximum...	86	87	87	89	84	73	71	74	88	77	76	68	61	64	84	93	91	68	73	70	70	71	74	79	81	82	53	64	73	81	76.5
Ridgway†.....	Minimum...	51	52	54	53	48	43	42	53	56	57	45	42	47	53	53	52	54	32	32	39	44	35	36	37	41	49	44	44	43	60	46.5
Scranton*.....	Maximum...	84	86	84	77	74	70	74	91	77	78	69	60	76	80	86	90	72	70	71	72	67	74	80	78	80	69	59	71	70	81	75.7
Scranton*.....	Minimum...	56	63	67	65	56	52	54	59	64	60	51	44	46	54	55	60	49	41	38	54	47	38	45	52	59	47	44	54	54	53	52.7
Selinsgrove.....	Maximum...	90	88	83	84	78	75	75	96	94	80	74	69	72	78	85	90	87	70	70	75	75	78	84	85	83	80	56	76	76	76	79.4
Selinsgrove.....	Minimum...	62	66	65	65	62	49	55	52	60	63	52	45	54	54	51	53	64	39	38	54	52	40	43	47	56	53	50	55	60	60	53.7
Somerset.....	Maximum...	82	82	85	81	75	70	83	82	81	77	71	65	63	73	85	90	82	67	66	62	69	74	77	83	83	76	80	74	72	75	76.4
Somerset.....	Minimum...	50	50	51	50	56	38	48	67	55	60	46	57	54	55	47	43	55	30	44	50	46	32	37	42	50	50	53	51	57	58	48.5
Springs.....	Maximum...	80	79	82	81	69	70	83	87	78	72	66	67	60	74	82	86	74	64	62	62	68	70	75	80	79	72	80	73	73	75	74.1
Springs.....	Minimum...	61	53	53	51	56	38	48	67	55	61	42	39	53	54	49	47	54	33	43	47	46	35	36	42	45	53	50	53	53	52	49.2
State College.....	Maximum...	87	88	89	86	74	72	78	91	78	75	70	65	63	75	82	89	75	69	68	65	70	73	79	83	83	68	62	72	71	78	75.9
State College.....	Minimum...	61	62	62	62	57	46	50	57	60	60	49	46	51	54	54	56	60	40	44	52	53	41	45	49	57	59	45	49	52	57	53.0
Stroudsburg†.....	Maximum...	82	81	89	87	78	74	79	93	81	79	76	78	73	81	84	89	78	76	71	76	71	77	74	77	78	72	66	78	62	80	78.2
Stroudsburg†.....	Minimum...	61	56	63	67	67	50	51	59	61	64	57	40	47	45	43	49	54	36	34	47	51	40	34	46	39	46	63	51	49	56	50.5
Towanda.....	Maximum...	92	90	92	87	76	73	81	97	81	81	72	58	82	84	96	98	82	70	74	71	70	78	83	72	84	73	60	73	70	81	79.4
Towanda.....	Minimum...	59	58	63	65	57	46	51	60	61	59	54	39	45	54	54	57	56	33	33	51	53	36	40	47	53	46	44	48	45	50	50.6
Uniontown.....	Maximum...	89	91	91	87	79	73	90	97	89	78	73	76	83	89	92	92	83	79	76	67	71	75	82	87	85	80	86	84	80	79	82.8
Uniontown.....	Minimum...	59	59	60	62	62	47	54	75	62	67	48	48	59	58	59	57	65	45	54	58	55	42	43	49	55	55	57	57	66	60	56.6
Vandergrift*.....	Maximum...	87	89	88	86	76	80	92	100	66	75	69	58	70	76	96	89	79	70	78	76	73	76	70	87	80	77	78	80	75	65	78.7
Vandergrift*.....	Minimum...	56	57	56	54	50	47	52	66	62	55	48	46	57	52	58	60	50	41	42	46	48	40	42	48	54	52	54	48	59	49	51.6
Warren.....	Maximum...	88	90	93	79	70	70	68	85	77	73	70	58	74	88	95	93	72	76	72	75	71	76	80	79	85	61	64	78	80	66	76.9
Warren.....	Minimum...	56	54	55	60	53	45	54	60	59	57	50	46	49	55	60	58	50	35	39	55	45	36	45	46	53	45	45	48	52	46	50.5
Waynesburg.....	Maximum...	90	90	91	85	78	76	91	97	90	82	74	76	84	93	93	94	86	81	78	67	74	75	81	86	84	78	83	84	82	79	83.6
Waynesburg.....	Minimum...	57	54	60	65	60	44	53	76	59	64	45	46	57	55	59	55	65	41	49	56	48	39	41	47	55	54	51	55	63	51	54.3
Weisboro.....	Maximum...	89	85	90	78	72	70	70	90	75	75	66	64	73	81	91	93	79	69	68	63	64	73	78	70	81	65	57	69	68	69	74.5
Weisboro.....	Minimum...	56	55	62	62	63	44	51	56	60	60	51	41	44	55	56	56	57	35	35	51	50	36	43	44	50	45	43	47	47	50	50.2
West Chester.....	Maximum...	84	85	85	85	78	73	70	96	88	79	74	67	76	81	83	87	81	70	74	78	73	75	80	86	82	78	65	74	71	81	78.6
West Chester.....	Minimum...	55	62	65	65	65	50	56	62	62	64	56	48	54	53	53	56	65	44	45	53	56	45	48	54	59	62	51	55	58	65	56.2
Wilkes-Barre.....	Maximum...	85	88	84	79	77	72	74	95	80	78	73	68	74	80	86	90	75	73	72	73	71	75	81	82	81	72	60	74	69	82	77.3
Wilkes-Barre.....	Minimum...	53	60	64	66	63	45	51	59	63	60	55	42	45	52	52	57	59	40	39	52	56	37	40	48	57	49	45	50	50	56	52.2
Williamsport.....	Maximum...	84	87	82	78	76	70	66	87	84	77	69	66	69	78	75	91	88	70	71	66	72	76	72	66	84	79	56	69	68	68	74.8
Williamsport.....	Minimum...	61	62	64	65	62	48	53	60	58	63	53	44	52	54	54	56	62	38	38	53	54	39	41	47	58	48	49	52	51	57	53.1
Williamstown.....	Maximum...	82	89	86	87	80	76	73	95	94	82	75	72	70	77	84	91	88	85	67	74	73	74	85	82	78	60	67	66	70	78	78.8
Williamstown.....	Minimum...	58	65	63	62	58	48	54	59	59	61	51	48	49	53	57	63	61	39	43	54	49	44	55	60	58	57	44	50	45	44	53.7
York.....	Maximum...	83	84	84	84	78	77	74	97	94	78	78	78	65	76	82	86	83	74	68	76	73	73	81	85	80	78	70	71	71	80	78.7
York.....	Minimum...	58	65	63	66	65	49	56	63	65	65	51	47	56	53	50	56	62	41	42	56	50	43	46	49	58	59	52	55	58	62	55.3

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. a, b, c, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	30.02	30.48	18	29.65	4	7.1	19	sw.	8	78	70	73	50
Harrisburg.....	30.05	30.53	19	29.65	8	6.9	23	s.	25	85	52	66	55
Philadelphia.....	30.06	30.55	19	29.61	8	11.2	31	n.	17	84	58	69	59
Pittsburgh.....	30.04	30.46	18	29.73	4	9.7	34	w.	8	81	46	59	69
Reading.....	30.06	30.56	19	29.61	8	9.1	32	n.	17	80	54	65	48
Scranton.....	30.06	30.57	19	29.57	8	5.9	34	nw.	10	81	...	65	51

* For any five-minute period.

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

G. S. BLISS.

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GENERAL SUMMARY.

October temperatures averaged near the normal, in fact, slightly above the normal in most regions, but they were not wholly comfortable or favorable. The second week was unseasonably warm with a maximum temperature for the State of 92 degrees, which is the highest October temperature for the last eight years. This was followed by unseasonably low temperatures during the third week, and damaging conditions from the 16th to 18th inclusive, during which the temperatures reached the lower 20's in the greater portion of the State, and practically all growing crops were killed. The extremely low point of 15° was reached at Mount Pocono on the 18th. General killing frosts are not usually experienced, especially in the southeastern portion of the State, until near the end of the month. The rainfall was about 16% above the normal, most of which occurred during the first and last weeks. From the 4th to the 20th inclusive, the rains were generally light and local. This condition was favorable for cornhusking, seeding of the winter grains, the digging of potatoes, and for apple gathering, all of which made rapid progress. The excess rainfall was chiefly due to heavy rains in the southeastern counties, with next heaviest in the northwestern counties. The greatest monthly amount was recorded at Graterford in Montgomery County, and the least was at the airport in Kylertown, Clearfield County. Snow flurries occurred in nearly all parts of the State, with the greatest fall two inches at Ebensburg and with an inch or more in portions of Elk, Warren, and McKean Counties. There was no measurable amount in the extreme southeast. Potatoes were generally all dug at the close of the month, and cornhusking was well advanced in most regions, while apple gathering was practically at its peak. This practically ended a crop season that was generally satisfactory. The standard crops generally equaled the ten-year average in both yield and quality. The only severe local storm that was reported during the month occurred in Hanover and vicinity on Saturday, October 21st, when a severe thunderstorm was accompanied by heavy hail in a narrow belt passing over that region. At some points, hailstones were lying along the road to a depth of three inches. At Dicks' Dam cottage colony, hail remained on the ground for several hours after the storm, and near the "700" schoolhouse hail was still to be seen on Sunday morning. The chief damage, resulting from this storm, occurred to orchard fruits which had not been gathered. The lightning was rather severe, and some farm buildings in the vicinity were struck and burned. No estimate of the total damage from the storm was obtainable.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 92 stations, was 53.6°, which is 1.0° above the 52-

year normal for October. The highest monthly mean was 59.4° at Philadelphia-Pt. Breeze, and the lowest, 43.2° at Gouldsboro. The highest temperature was 92° at Phoenixville on the 10th, while the lowest was 15° at Mt. Pocono on the 18th. The greatest daily range in temperature was 59° at Brookville on the 19th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 177 stations, was 3.88 inches, which is 0.64 inch above the 52-year normal for October. The greatest monthly amount was 6.69 inches at Graterford, and the least was 2.38 inches at Kylertown. The greatest amount recorded in any 24 consecutive hours was 2.68 inches at Grove City on the 27th.

Snowfall for the State averaged a trace, which is 0.2 inch less than the monthly normal. The greatest monthly amount was 2.0 inches at Ebensburg, which amount also was the greatest for any 24 consecutive hours, having occurred on the 28th.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	46.3	74	19	4.02	T	16	9	6	16
1889.....	47.3	83	13	3.85	0.2	10	8	9	14
1890.....	50.9	81	21	5.87	0.3	15	6	8	17
1891.....	50.6	91	15	3.06	T	8	11	9	11
1892.....	50.8	83	16	0.72	T	6	13	11	7
1893.....	53.0	91	17	3.26	T	8	14	8	9
1894.....	53.6	88	24	4.26	T	9	12	8	6
1895.....	47.3	76	17	1.99	0.3	5	17	8	11
1896.....	48.9	86	18	3.19	T	9	11	8	12
1897.....	54.2	95	16	1.32	T	5	14	8	9
1898.....	53.8	92	20	5.20	T	12	11	7	13
1899.....	54.6	94	15	1.55	0	6	13	8	10
1900.....	58.6	95	19	2.74	0	8	11	9	11
1901.....	52.2	83	20	1.23	T	5	16	10	5
1902.....	53.1	89	19	4.64	0.1	9	12	9	10
1903.....	53.4	91	20	4.64	0.1	9	12	8	11
1904.....	50.6	91	12	2.87	T	7	15	8	8
1905.....	53.2	90	16	4.23	T	9	14	7	10
1906.....	52.0	87	14	4.46	1.1	14	7	7	17
1907.....	48.2	87	13	3.16	T	7	16	8	7
1908.....	54.6	93	19	1.95	T	6	16	7	8
1909.....	48.4	87	15	2.27	T	7	13	7	11
1910.....	55.6	91	14	1.91	0.5	7	16	8	7
1911.....	52.3	83	18	4.83	T	11	11	7	13
1912.....	54.2	90	23	2.74	T	7	15	7	9
1913.....	54.9	88	16	5.44	0.2	13	10	6	15
1914.....	56.4	91	11	2.35	T	9	11	9	11
1915.....	54.2	85	17	2.65	T	8	15	7	9
1916.....	52.1	92	16	2.25	T	6	18	7	6
1917.....	47.2	84	12	6.38	1.7	13	10	10	11
1918.....	55.5	85	19	3.17	0	10	15	8	8
1919.....	57.5	92	21	4.77	0	17	9	8	14
1920.....	57.5	88	22	1.67	T	5	19	7	5
1921.....	52.6	84	18	2.16	0	8	17	7	7
1922.....	54.8	94	12	2.51	T	7	18	6	7
1923.....	51.0	87	12	2.38	T	8	15	8	8
1924.....	52.9	87	14	0.28	0	2	21	7	3
1925.....	46.1	83	9	4.83	3.8	15	6	8	17
1926.....	51.9	90	16	4.51	0.2	14	10	9	12
1927.....	55.6	99	21	6.40	0.1	9	17	5	9
1928.....	55.1	91	15	1.78	0.1	8	14	8	9
1929.....	50.6	85	14	5.59	T	9	12	8	11
1930.....	50.8	93	9	0.99	0.2	6	15	7	9
1931.....	55.7	93	20	1.83	T	9	15	8	8
1932.....	53.8	86	20	5.31	T	11	10	7	14
1933.....	51.6	90	11	1.91	T	8	16	9	7
1934.....	51.8	84	11	1.46	0.6	6	17	7	7
1935.....	53.0	89	16	2.77	T	9	16	8	7
1936.....	54.0	87	11	3.69	T	11	13	6	12
1937.....	50.6	89	12	5.84	0.1	14	8	8	15
1938.....	54.5	91	16	1.81	T	6	18	6	7
1939.....	53.6	92	15	3.88	T	11	13	7	11
Period	52.6	99	9	3.24	0.2	9	13	8	10

Climatological Data for October, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers	
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear	Pt. cloudy	Cloudy			
Atlantic Drainage.	Allentown.....	Lehigh.....	254	27	53.0	-0.1	89	10	29	15	41	3.00	-0.55	0.96	0	10	14	14	3	ne.	John A. Frick.
	Altoona.....	Blair.....	1,615	52	53.5	+1.4	87	10	21	18	48	3.12	-0.07	1.34	T.	10	20	6	5	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	350	19	55.6	+0.5	88	10	26	29	40	4.45	+0.84	1.45	0	10	10	9	12	w.	H. L. Balderston.
	Arendtsville.....	Adams.....	700	17	54.0	-0.2	88	10	25	18	38	4.36	+0.86	1.72	0	8	16	7	8	w.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,060	7	55.0		87	10	23	18	47	4.67		1.10	0	9	17	1	13	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	53	56.6	+0.8	90	10	31	16	35	2.59	-0.76	1.18	0	9	13	4	14	w.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	13	52.2		84	10	22	18	42	4.75		1.41	0	15	11	10	10		Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	70	55.4		90	9	26	16	38	4.14	+0.75	1.50	T.	9	17	6	9	nw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	42	56.4	+2.1	89	9	29	16	42	4.04	+0.97	1.42	0	8	12	10	9	ne.	William B. Spear.
	Clearfield.....	Clearfield.....	1,120	38	51.6	+0.9	86	18	17	18	48	2.99	-0.40	1.11	T.	14	7	11	13	sw.	Otto J. W. Eppers.
Coatesville.....	Chester.....	380	52	52.7	-1.4	88	10	26	30	35	5.29	+1.93	1.70	0	7	8	6	17	nw.	Howard L. Fyle.	
Colebrook.....	Lebanon.....	560	27	53.2	+0.7	86	10	26	18	36	4.46	+0.94	1.65	0	9	15	3	13	n.	Wm. A. Rorer.	
Emporium.....	Cameron.....	1,050	54	53.0	+2.8	86	10	22	18	49	5.43	+2.20	1.95	0	11	16	0	15	w.	E. M. Poorman.	
Ephrata.....	Laurel.....	380	42	55.2	+0.6	90	10	29	16	38	5.60	+2.50	2.21	0	9	13	6	12	n.	Ira J. Keath.	
Freeland.....	Luzerne.....	1,970	46	50.8	+3.1	83	10	23	18	35	3.72	-0.67	1.49	T.	14	5	2	24	e.	Andrew B. Evansha.	
Gettysburg.....	Bucks.....	190	33	55.7	+0.3	90	10	27	16	39	3.92	+0.22	1.52	0	8	9	14	8	w.	Prof. N. W. Swayne.	
Gordon.....	Adams.....	553	66	65.8	+2.4	91	10	27	16	38	5.03	+1.63	1.80	0	10	15	8	8	e.	Dr. Henry Stewart.	
Gouldsboro.....	Schuylkill.....	840	35	51.4	+0.6	85	10	23	16	39	4.10	-0.22	1.22	0	9	12	8	11	w.	Miss Sallie M. Johnson.	
Hanover.....	Wayne.....	1,875	24	43.2	-2.2	68	20	26	31	29	3.27	-0.65	0.84	1.0	14	14	4	13	w.	Steward W. Ellenberger.	
Harrisburg.....	York.....	600	35	56.6	+0.3	88	10	30	18	32	5.44	+2.50	1.28	0	12	13	9	9	s.	Thomas Y. Cooper.	
Hawley.....	Dauphin.....	337	70	55.7	+0.9	89	10	30	16	37	3.88	+0.95	1.35	T.	10	12	4	15	w.	U. S. Weather Bureau.	
Holtwood.....	Wayne.....	900	21	50.0	+0.6	85	10	21	16	44	3.73	+0.37	1.00	T.	15	15	4	12	w.	Mrs. Della M. Pennell.	
Huntingdon.....	Lancaster.....	200	24	56.3	-0.3	87	10	34	18	27	4.83	+2.02	1.18	0	9	13	8	13	nw.	H. W. Lowy, C. E.	
Kyertown.....	Huntingdon.....	650	52	52.4	-0.3	89	10	19	18	52	2.87	-0.20	0.95	T.	10	15	3	13	nw.	Prof. Paul R. Yoder.	
Lancaster.....	Clearfield.....	1,694	10	50.6	+1.1	84	10	21	18	38	2.38	-0.35	0.55	0.6	16	8	6	17	.....	U. S. Weather Bureau.	
Laurenceville.....	Lancaster.....	255	52	54.0	+0.5	89	10	22	30	39	6.08	+2.99	2.21	0	10	16	6	9	nw.	Supt. of Water Works.	
Lebanon.....	Tioga.....	1,000	42	51.0	+0.4	88	10	20	18	44	4.23	+1.40	1.15	T.	14	11	9	11	.....	C. P. Darling.	
Lewistown.....	Lebanon.....	469	55	54.2	+0.4	90	10	27	18	39	4.74	+1.35	1.46	0	9	19	2	10	w.	Lebanon Valley Gas	
Lock Haven.....	Mifflin.....	500	1	53.4	.....	88	10	23	16	43	2.83	.....	1.12	0	10	8	8	15	e.	Penna. Edison Co.	
Marcus Hook.....	Clinton.....	580	49	53.0	-0.6	86	10	24	18	36	3.93	+0.80	0.84	T.	15	8	16	7	ne.	Joseph Beaver.	
Montrose.....	Delaware.....	50	13	59.0	-0.5	91	9	33	17	28	3.82	+1.87	.....	0	7	20	0	11	sw.	Sun Oil Co.	
Mt. Pocono.....	Susquehanna.....	1,620	34	49.4	+0.2	82	10	21	18	35	4.02	+0.46	0.89	0	17	5	10	16	sw.	Phillip F. Chamberlain.	
Muncy Valley.....	Mourne.....	1,720	33	48.0	-0.3	82	10	15	18	38	3.63	-1.05	1.05	T.	11	14	6	11	nw.	Cecil J. Hoskinson.	
Neshaminy Falls.....	Sullivan.....	1,045	27	50.4	+0.3	84	10	19	18	40	5.42	+1.81	1.02	T.	12	16	7	8	w.	H. O. Hacker.	
New Bloomfield.....	Bucks.....	60	50	53.0	-1.0	89	10	26	16	38	3.41	-0.61	1.37	0	9	13	6	12	w.	Philadelpha Sub. Water Co.	
Palmerton.....	Perry.....	679	1	52.6	.....	88	10	22	18	42	3.57	.....	1.29	0	9	11	8	12	w.	J. Earl Sheaffer.	
Philadelphia.....	Carbon.....	398	21	52.5	+0.6	88	10	25	18	37	4.65	+1.26	1.69	0	11	4	15	12	sw.	New Jersey Zinc Co.	
Phila. Navy Yard.....	Philadelphia.....	26	68	57.6	-0.2	90	10	36	18	27	4.30	+1.49	1.66	0	8	10	9	12	sw.	U. S. Weather Bureau.	
Phoenixville.....	Philadelphia.....	20	23	57.0	-0.3	90	10	36	18	32	4.05	+0.94	1.35	0	8	14	2	15	sw.	Navy Aerological Office.	
Port Clinton.....	Chester.....	100	29	55.2	+0.1	92	10	26	16	40	5.87	+2.26	1.69	0	8	12	11	8	nw.	Philadelpha Sub. Water Co.	
Quakertown.....	Schuylkill.....	407	1	63.3	-0.2	87	10	24	18	36	4.31	+0.34	1.07	0	9	20	0	11	n.	E. E. Rarick.	
Reading.....	Bucks.....	496	54	52.2	-0.1	86	10	24	16	38	5.16	+1.24	1.84	0	11	12	10	9	nw.	John E. Benner.	
Scranton.....	Berks.....	273	69	56.0	+1.3	88	10	33	30	32	4.03	+0.91	1.73	0	9	12	8	11	nw.	U. S. Weather Bureau.	
Selinsgrove.....	Lackawanna.....	746	46	51.7	-0.1	86	10	28	18	33	3.11	+0.08	0.88	T.	13	9	8	14	sw.	U. S. Weather Bureau.	
Shawmont.....	Snyder.....	455	49	54.2	+1.3	86	10	24	18	36	3.84	+0.27	1.20	0	11	12	8	11	nw.	Dr. George E. Fisher.	
Shippensburg.....	Philadelpha.....	51	43	56.4	+0.3	87	10	30	29	33	4.15	+0.90	1.40	0	9	7	15	9	nw.	W. S. Guiles.	
State College.....	Cumberland.....	660	6	54.8	.....	89	9	28	16	36	4.47	.....	1.30	T.	10	14	6	11	w.	State Teachers College	
Stroudsburg.....	Center.....	1,217	56	52.3	+1.1	85	10	24	18	40	3.44	+0.42	1.19	0	13	12	14	5	w.	C. A. Kern.	
Towanda.....	Munroe.....	500	25	55.4	+3.3	90	10	26	18	35	.....	.....	.....	.....	.....	.....	.....	.....	w.	State Teachers College	
Wellsboro.....	Bradford.....	754	45	51.4	+0.5	87	10	22	18	42	3.98	+1.07	0.78	T.	17	14	6	11	n.	Mrs. M. Ordella Parks.	
West Chester.....	Tioga.....	1,419	69	49.4	+0.5	84	10	20	18	40	2.95	-0.08	0.61	T.	13	19	4	8	n.	George W. Hill.	
Wilkes-Barre (Airport).....	Chester.....	455	90	55.8	+1.2	90	10	28	18	36	4.26	+0.64	1.43	0	8	16	6	9	w.	Harlan Saylor.	
Williamsport.....	Luzerne.....	544	1	52.2	.....	87	10	23	18	37	3.68	+0.68	0.87	T.	16	.....	.....	.....	.....	U. S. Airways Station.	
Williamstown.....	Lycoming.....	521	53	51.6	-1.1	87	10	24	18	37	4.42	+1.20	1.20	T.	13	15	4	12	w.	Mrs. Ralph F. Keller.	
York.....	Dauphin.....	1,275	24	55.2	+1.7	85	10	26	18	39	3.99	+0.28	1.18	0	10	13	8	10	sw.	Susquehanna Collieries Co.	
Ohio Drainage.	York.....	400	51	54.5	+0.3	86	10	27	18	33	5.44	+2.40	1.42	0	12	14	9	8	w.	York Water Co.	
Brookville.....	Jefferson.....	1,173	49	48.6	-0.6	87	10	16	18	59	3.90	+0.63	1.95	T.	13	11	6	15	.....	Frank S. Fawcett.	
Butler.....	Butler.....	1,077	26	.....	.....	90	9	.....	.....	.....	2.45	-1.06	0.71	0	14	16	4	11	sw.	William C. Faust.	
Chambersville.....	Indiana.....	1,047	38	.....	.....	87	9	.....	.....	.....	2.45	-1.06	0.71	0	14	16	4	11	sw.	John E. Lewis.	
Clairton.....	Allegheny.....	1,020	7	56.6	.....	87	9	26	15	39	2.54	.....	1.16	T.	8	13	6	12	s.	Carnegie-Illinois Steel Corp	
Claysville.....	Washington.....	1,150	34	55.3	+1.2	86	9	22	29	40	3.01	-0.24	1.45	T.	11	14	6	11	s.	J. L. Melvin.	
Corry.....	Erie.....	1,430	26	51.8	+2.4.8																

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Stations	Drainage Basin	Day of month																															Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh	.64	.20	.96	.01					.08													.02	.02		T.	.07	T.	.59	.01		.48	3.00	
Altoona	Juniata	.05	.17				.08			.51	.14				.03							.39	.53	.08		.06	.43	.19	.42	1.02	.32		.45	3.12
Ansonia ²	W. Br. Susq.	.20					.22														.11	.29	.06		T.	.01	.08	.24		.34	1.41	4.45		
Ardmore ²	Lower Del.	.55	1.45	.02	T.					.06													.09	.02	.05	.82	T.					.72	4.36	
Arendtsville ²	Lower Susq.	.69	.25	1.72																	T.	.10	.02		.21	.18	1.00	.34		.59	3.98			
Baker's Summit	Juniata	.18	1.32	.01			.03			.02												.39	.47	.02		.47	.02	1.09	.01		.05	.32	2.46	
Bald Eagle ¹	Middle Susq.	.82	.50	1.10						.09					.02								.20	.06	T.	.52	.27	1.00			.20	4.67		
Bedford ²	Juniata	.05	.01	T.	.02		.20		.15													.06	.48	.05	T.	.28	.22	.90	.12	T.	.15	.85	3.54	
Bellefonte	W. Br. Susq.	.46	.17				.32														.11	.49	.13		.55	.05	1.22	.10		.30	3.27			
Berwindale ¹	Lehigh	.10		.69	.01		.02			.02	T.										.03	.79	.62	.02	T.	.12	.17	.67	.39	.05	1.05	4.75		
Bethlehem	Susquehanna	.46	.17				.02			.02	T.												.06			T.	.08		.20	1.30	.10	1.10	3.67	
Bloomsburg	Lower Susq.	.07	.82				.05															T.	T.		T.	.08		.07	.17		.20	3.77		
Blossville	Potomac	.69	.67	.78			.05																.26				.07	.17				.20	3.77	
Buffalo Mills ²	Lower Susq.	.30	.45	.46			.20		.81	.05	.02				.11						.09	.01	.38	.13	.05	.45	.11	.90	.10		.27	3.68		
Carlisle	W. Br. Susq.	.42	.17	1.42			.22	.17	.48						.02							.17	.65	.48		.48	.52	.46		.10	.64	3.89		
Carter Camp ¹	Susquehanna	.10		.02			.19		.04		.02				.02						.10		.64	T.	T.	.08	.40	.02	1.11	.20	T.	.05	2.99	
Center Hall	Potomac	.77	1.70																			.35	.07			.01		.51	.48		.10	1.33	4.46	
Chambersburg ²	Lower Susq.	.29	1.65	.05																			.04		T.	T.	.20		.16	1.95	.32	3.68		
Clearfield ²	Schuylkill	.13	.87			.20			.50		.16				.05						.13	.20	.23		.13	.18	.03	.65		.23	2.67			
Coatesville	N. Br. Susq.	1.06	.76	.21			.16		1.53		.10				.04						.13	.04	.47	.13		.46		1.46	.14		.20	4.76		
Colebrook	W. Br. Susq.	.04					.05		.05		.10				.07							.13	.50	.11		.13	.45	1.24	.28	.01	.20	3.36		
Conshohocken	Middle Susq.	.26	.02	.80			.05															.50	.21	.19		.10	.55		.76	.03	.23	2.76		
Covington ²	W. Br. Susq.	.04					.05		.05		.10				.07							.13	.50	.11		.13	.45	1.24	.28	.01	.20	3.36		
Doylestown	W. Br. Susq.	.26	.02	.80			.05															.50	.21	.19		.10	.55		.76	.03	.23	2.76		
Driftwood ¹	W. Br. Susq.	.04					.05		.05		.10				.07							.13	.50	.11		.13	.45	1.24	.28	.01	.20	3.36		
Du Bois	Middle Susq.	.26	.02	.80			.05															.50	.21	.19		.10	.55		.76	.03	.23	2.76		
East Waterford ²	W. Br. Susq.	.04					.05		.05		.10				.07							.13	.50	.11		.13	.45	1.24	.28	.01	.20	3.36		
Emporium	W. Br. Susq.	.26	.02	.80			.05															.50	.21	.19		.10	.55		.76	.03	.23	2.76		
English Center ¹	W. Br. Susq.	.04					.05		.05		.10				.07							.13	.50	.11		.13	.45	1.24	.28	.01	.20	3.36		
Ephrata	W. Br. Susq.	.26	.02	.80			.05															.50	.21	.19		.10	.55		.76	.03	.23	2.76		
Fredericksburg ²	Lower Susq.	.81	2.21	.02			.31		.32													.41	.09			.34	.01	.71	.09		.19	.53	3.00	
Freeland ²	Schuylkill	.25	1.51	.01			.10		.50	.20	.13				.07	T.						.14	.07	.12	.03		.16	.14	.58	T.	.09	.31	3.92	
Galeta	Lower Del.	1.04	.51	.08	T.		T.		.20														.25			T.	.02	.13	.53		.05	1.30	5.60	
George School	Potomac	.58	1.26	.54																			.18			T.	.03	.04	.24	.68		.25	1.52	5.03
Gettysburg	Lower Susq.	.01	1.00	.01			T.															.89	.02			.12		.87		.38	.72	4.10		
Girardville ²	Lower Susq.	.15	.19	.97																			.42			.13		.86	.56		.10	1.22	4.02	
Gordon	Lehigh	T.	.10	.30	T.		.09		T.		T.				T.						.01	.10	.80	.08	.05	.15	.05	.49	.24		.06	.84	3.27	
Gouldsboro ²	Schuylkill	2.14	1.22	.76			.12																.78			.11	.17		.43		.14	.82	6.69	
Graterford	Lower Susq.	.89	1.28	.48	T.	.02				T.												.06	.24			.04	.03	.20	.64		.31	1.25	5.44	
Hanover	Lower Susq.	.21	1.07	T.	T.					T.												.04	.01	T.	T.	.05	.05	.76	.14		.22	.33	3.88	
Harrisburg ¹	Upper Del.	.22	T.	.65	.23		.07	.01		.05					T.	.03						.03	1.06	.06	.04		.28		.72	.06		.28	3.73	
Hawley ²	Upper Del.	.42	T.	.82	.01					.01												.02	1.39	.19	T.		.34		.89	T.	.32	4.41		
Hollersville ²	Lower Susq.	.93	.91	1.08	.02		.07															T.	.69	T.		.05	.02		.45		T.	.68	4.83	
Holtwood ²	Juniata	.09	.12				.07															T.	.16		T.	.35	.11	.95	.14		.09	.79	2.87	
Huntingdon	Lower Susq.	.43	.76	.73																			.07			T.	.27	T.	.75		.19	3.20		
Huntsdale	Potomac	.05	T.	T.	T.		.23		.10	.02	T.				.01						.03	.33	.10	T.	.01	.37	.01	.55	.20	.02	.31	2.38		
Hyndman ²	W. Br. Susq.	.92	T.	.75	.13	T.	.08		.09						T.							.03	.33	.10	T.	.01	.37	.01	.55	.20	.02	.31	2.38	
Kylertown ²	Upper Del.	.22	T.	.65	.23		.07	.01		.05												.11	.10	.10	.02	T.	.40	.01	.90	T.	.10	.30	4.93	
Lakeville ²	Lower Susq.	1.22	1.96	.25			.08		.09													.11	.10	.10	.02	T.	.03	.02	.13	.79		.05	1.52	6.08
Lancaster	Lehigh	.47	.03	1.20	.01		.45		1.15	.30	.18				.10							.10	T.	T.		.16		1.00	T.		.24	4.21		
Lansford ²	N. Br. Susq.	.23	.46	T.	T.				1.15	.30	.18				.10							.12	.27	T.	.15	.05	.35	.28	.28		.50	4.23		
Lawrenceville	Lower Susq.	.40		1.13	T.																	.05			.80	T.								

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Stations	Drainage Basin	Day of month																															Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Atlantic Drainage (continued)																																			
Sellersville ¹	Lower Del.	.49	.95																			.26	.04												
Shade Gap ¹	Middle Susq.	.11	.69																		*	*	*	*	.12	.17	.02	1.30	.11		.28	.16		.28	1.01
Shawmont	Schuylkill	1.06	.96	.20								.02											.21	.21			T.		.03	.17		.10	1.40	4.15	
Shippensburg	Lower Susq.	.18	.64	.52																		.18	.18			.08	.05	.34	1.10	T	.08	1.30	4.47		
State College	W. Br. Susq.	.02	T.	.03			.28			.06				T.								.03	.23	.02			.28	.30	1.19	.18		.07	.75	3.44	
Stroudsburg ²	Upper Del.																																		
Sunbury ²	Lower Susq.	.37	.04	.91	.02		T.			.05												.80	.02	T.	.04	.24		.62	.06		.55	3.72			
Susquehanna ²	N. Br. Susq.	.51		.09	.11		.27	.07		.17		.09			.02	T.					.14	.52	.13	.08	.50	T.	.65	T.		.13	3.48				
Towanda	N. Br. Susq.	.01		.17	T.		.67		.11	.18		.09			.03	T.		T.			.09	.24	.06	.06	.23	.24	.55	.33	T.	.14	.78	3.98			
Weikert	Lower Susq.			.32				.06		.08												.60	.25	.28	.72	.15		.12		1.24		3.70			
Weissboro ²	N. Br. Susq.	.46					.33			.48		.05			.04						.11	.36	.05	T.	.04	.26	T.	.61	.04		.12	2.95			
Wernersville ² [nr]	Schuylkill	.94	1.30	1.98	.05																	.09	.05	.02	.01	.06		.75	.23	.03	.62	6.13			
West Chester	Lower Del.	.67	1.29	.05																		T.	.28	.28		T.	T.	.10	.30		.14	4.43			
Westgrove ²	Lower Del.	.64	.68	1.33		T.	T.					T.		T.								.67	.03	T.	.03	T.		.24	.21		.44	4.24			
Wilkes-Barre ² **	N. Br. Susq.	.04	.10	.87	T.	T.	.09			T.	.01	T.			.01						.03	.82	.28	T.	.03	.12	.21	.27	T.	.02	.71	3.66			
Wilkes-Barre ² †	N. Br. Susq.	.72	T.	1.20	T.	T.	.02	.03		.03	T.	T.				T.					.02	.10	.16	T.	T.	.21		.40	T.		.18	4.07			
Williamsport	W. Br. Susq.	1.20	.01	.11	T.		.20			.26	.02										.07		.05	.02		.07	.42		.92	T.		.45	4.42		
Williamstown	Lower Susq.	.45	.30	.92																		.05	.02		.04	.08	.22	.70	.05	1.18	3.99				
York	Lower Susq.	.79	1.42	.28	.02																	T.	.06	.40			.10	.02	.16	.87		.13	1.19		
York Haven ²	Lower Susq.	1.16	.20	1.65																			.26			.06	.04		.81		.80	4.98			
Zionsville, (near)	Schuylkill	.63	.40	1.30	.02																	.04			.02	.02	.01	.70	.32		.37	3.81			
Trenton, N. J. ¹	Lower Del.	.16	.34	.01								T.			T.							.25	.03			T.	T.	.03	.16		.67	1.20	2.85		
Ohio Drainage																																			
Acmetonia ²	Allegheny	.17	.05	.02					.09		.06				T.			.01			.06		.22			.25	.76	.18	1.25	.02			3.14		
Beaver Falls ²	Beaver	.09					T.		.25		.10				T.				T.		.12		.31		T.	.04	.90	.07	1.03	.04			2.95		
Blairsville ²	Allegheny	.38	.06	.15			.18			.29				.06								.18			T.	.22	.54	.23	1.12	.13			3.54		
Bradford ²	Allegheny	.02					.05		1.00	.46		.60			.20			.02				.24	.38	.04	.07		.03	.45	.52	.72		.08	4.88		
Brookville ²	Allegheny	.19	.02				T.		.05		.14			T.		.02						.19		.56	.02		.04	.45	.09	1.95	.28	T.	3.90		
Buckstown ¹	Allegheny	.17	.90				.11				.02											.24				.29	.44	1.50	.33		.49	4.63			
Butler ²	Ohio																																		
Chambersville	Allegheny	.05	.04				.06			.02					.09			.02				.18	.13	.09	T.	.23	.71	.30	.37		.16	2.45			
Clairton ²	Monongahela		T.			.03				.02												T.		.07		.90	.22	1.15	.05			2.54			
Clarion ²	Allegheny	.09					.08			.13		.05			.02	.01						.19		.30		.05	.45	1.11	.29	.23	.02		3.82		
Claysville	Ohio	.18	.01							.07								.03				.01		.02		.16	.71	.45	.32		.05	3.01			
Confluence ²	Youghiogheny	.28	.20	.22			T.			.05								T.				.28	T.			.03	.85	.51	1.53	T.			3.89		
Connellsville ²	Monongahela	.16	.06	.02						.06					T.			T.				T.	T.			.03	.85	.51	1.53	T.			3.22		
Corapolis ²	Ohio	.10	.04							.02		.03			T.			T.				.06		.02		.05	1.14	.54	.70	.02		2.72			
Corry	Allegheny								1.86	.30	.78				.34							.30	.10		.36		.28	.49				4.31			
Coudersport	Allegheny	.05					.45		.55	.21		.31			.02							.09	T.			.08	.84	1.24	.48		.21	4.05			
Derry	Conemaugh	.05	.21				.21			.02					.02			T.				.09	T.			.08	.84	1.24	.48		.23	3.47			
Donora ²	Monongahela	.11	.03				T.				.01				T.			.03				T.	.01	T.		.28	.58	1.29	.21		.10	2.65			
Dunlop	Allegheny	.06	.98							.03		.01										.18			.02	.51	1.94	.20			.45	4.52			
Ebensburg	Conemaugh	.05	.37				.07				.11											.01	.14	.08		.12	.69	1.00	.76		.35	3.75			
Franklin ²	Allegheny	.45							1.05		.20			.06								.11	.12	T.		.08	.30	.18	1.19	.23		3.97			
Greensburg ²	Monongahela	.17	.05	.13						.05					T.			.01				T.	.20		.06	.11	.18	.27	1.21	.04			3.48		
Greensburg	Youghiogheny	.06	.32				.09			.01												.01			.01	.10	.89	1.34	.57		.10	3.50			
Greenville	Beaver	.07							.07	.03		.35			.07			.01				.09	.05			.01	.22	.52	.84	.55		.03	2.90		
Grove City	Beaver						.06			.13												.10	.05	.01	.01	.20	.50	.68	.36		T.	4.10			
Irwin	Monongahela	.08	.12				.07		T.			.09						.01				.02			T.	T.	.07	.96	1.20	.32		.05	2.90		
Johnstown	Conemaugh	.04	.93				.09			.09												.12				.29	.83	1.75	.36		.36	4.86			
Kane Forest Sta ¹	Allegheny	.02					.48		.75	1.06		.15			.02			T.				.14	.36	.14	.08	.08	.70	.82	.36	.03		.12	5.31		
Kearney ²	Youghiogheny	.18	.38			.16				.21				.03				.02				.24	T.			.32	.43	.39	1.88	.05		.40	5.69		
Lake Lynn ²	Monongahela																																		

Daily Temperatures for October, 1939

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Altoona.....	Maximum.....	59	58	53	67	76	77	80	72	86	87	73	67	72	57	69	54	54	79	78	76	66	58	52	50	72	71	67	43	50	45	65.6	
Altoona.....	Minimum.....	47	39	42	46	47	44	52	49	57	58	50	43	31	39	25	27	42	21	31	14	56	46	40	34	39	49	54	33	27	31	40	41.4
Bedford.....	Maximum.....	70	52	51	68	75	77	78	77	86	87	81	64	65	60	53	66	65	52	77	78	76	70	63	54	53	78	74	71	46	50	46	66.5
Bedford.....	Minimum.....	49	40	45	47	48	52	55	56	57	54	54	42	42	41	26	36	35	23	30	49	50	48	40	38	45	51	54	39	30	32	40	43.5
Bethlehem.....	Maximum.....	79	53	53	59	76	78	82	81	82	90	87	64	66	64	57	65	63	54	69	77	78	75	63	52	47	73	71	66	54	49	47	66.9
Bethlehem.....	Minimum.....	52	47	45	50	49	56	57	51	61	60	61	45	46	47	35	31	43	33	31	50	50	50	44	35	36	42	54	55	34	35	45	46.3
Bloomsburg.....	Maximum.....	64	53	55	56	71	79	75	62	75	84	81	64	62	62	62	64	57	54	70	75	75	65	52	46	46	70	69	65	52	47	47	62.9
Bloomsburg.....	Minimum.....	50	41	48	49	50	49	43	44	51	68	58	42	32	39	28	25	34	22	28	46	47	50	40	29	29	44	49	42	40	27	42	41.4
Brookville.....	Maximum.....	57	63	66	72	78	75	79	75	85	87	60	65	61	50	56	28	52	57	77	73	68	61	44	50	59	65	68	53	48	58	43	63.6
Brookville.....	Minimum.....	45	38	30	33	36	43	36	40	43	48	49	31	26	27	21	20	22	16	18	29	37	38	34	29	31	42	53	42	30	26	23	33.5
Butler.....	Maximum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Butler.....	Minimum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carlisle.....	Maximum.....	70	53	52	57	76	82	84	80	90	86	80	62	69	58	58	64	60	56	70	82	77	65	57	59	65	80	73	67	54	51	48	66.9
Carlisle.....	Minimum.....	53	45	45	50	44	51	51	47	56	60	61	45	35	40	33	26	37	27	35	47	50	41	45	42	40	49	53	43	31	30	44	43.8
Chambersburg.....	Maximum.....	67	53	53	58	75	82	85	75	89	89	74	74	66	63	60	64	56	76	78	78	71	60	58	50	77	71	68	52	46	47	67.2	
Chambersburg.....	Minimum.....	52	46	42	44	52	53	50	50	53	59	60	47	37	43	33	29	38	30	34	46	44	48	44	42	42	56	43	31	30	43	43	43.6
Chambersville.....	Maximum.....	58	56	58	74	80	80	82	85	90	89	81	67	64	62	55	67	59	59	78	76	74	63	54	53	59	65	71	65	50	58	51	67.2
Chambersville.....	Minimum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Claysville.....	Maximum.....	59	56	62	75	77	79	75	85	86	85	81	65	65	63	56	68	65	63	76	78	75	68	59	57	67	72	73	65	51	60	56	68.4
Claysville.....	Minimum.....	45	39	30	35	45	55	53	61	56	60	47	44	27	35	26	30	40	23	40	52	50	49	39	39	49	56	50	40	22	31	39	42.2
Clearfield.....	Maximum.....	59	60	60	73	85	84	78	70	85	86	82	64	62	62	55	69	59	58	72	74	68	66	53	45	51	66	66	60	52	53	47	65.5
Clearfield.....	Minimum.....	42	42	37	48	43	52	38	40	55	49	53	33	27	37	21	21	33	17	26	45	37	42	37	29	36	49	54	33	28	25	40	37.7
Coatesville.....	Maximum.....	64	50	51	58	72	77	78	74	84	88	70	62	62	57	52	62	59	51	64	75	75	66	54	50	56	73	69	68	49	51	50	63.6
Coatesville.....	Minimum.....	50	43	43	47	49	53	50	47	58	58	50	42	40	40	31	27	38	27	31	46	43	46	40	35	30	47	50	36	28	26	44	41.8
Corry.....	Maximum.....	60	66	73	75	79	77	80	76	83	84	63	60	59	57	57	69	54	58	77	74	65	57	43	40	60	66	69	67	62	57	47	65.3
Corry.....	Minimum.....	40	34	29	40	43	58	39	44	55	51	47	40	32	31	28	32	21	25	42	43	51	37	34	25	35	55	59	29	29	30	31	38.4
Coudersport.....	Maximum.....	62	62	64	67	78	75	78	65	81	82	77	71	60	54	55	67	60	68	74	70	66	68	47	52	50	61	66	64	49	54	42	64.2
Coudersport.....	Minimum.....	41	34	31	46	37	49	35	40	51	51	48	35	28	35	20	22	32	17	30	38	34	40	34	25	22	47	51	31	30	34	35	44
Donora.....	Maximum.....	59	52	56	79	81	83	88	88	90	89	63	68	66	57	56	70	57	65	80	80	78	66	51	57	63	76	75	66	53	62	48	68.5
Donora.....	Minimum.....	51	46	39	43	50	57	51	56	67	63	51	43	38	34	29	33	37	29	50	58	54	47	43	42	52	60	64	34	32	35	37	46.0
Ebensburg.....	Maximum.....	58	51	53	75	73	74	78	75	82	85	75	64	68	55	55	64	63	50	71	71	70	66	51	48	58	68	68	46	46	44	63.6	
Ebensburg.....	Minimum.....	42	34	40	42	42	55	50	49	62	58	48	40	32	26	36	33	22	36	50	48	45	36	29	41	40	56	31	22	29	37	40.3	
Emporium.....	Maximum.....	61	62	65	70	80	75	80	76	80	86	81	64	62	58	56	67	65	76	77	72	76	63	47	53	65	66	66	50	54	52	66.6	
Emporium.....	Minimum.....	46	37	34	50	45	51	41	52	54	53	38	30	37	27	25	35	22	27	42	39	37	39	27	34	50	53	39	37	30	38	39.4	
Ephrata.....	Maximum.....	66	53	53	58	76	82	83	73	86	90	79	68	58	59	67	59	56	70	78	72	69	54	55	57	75	70	68	52	49	49	66.2	
Ephrata.....	Minimum.....	51	46	46	51	51	56	48	49	59	56	60	43	39	44	34	29	36	29	33	44	47	46	43	39	39	51	52	41	30	32	45	44.2
Erie.....	Maximum.....	53	60	62	74	79	72	65	82	79	81	58	58	60	46	51	65	47	57	76	66	66	59	45	46	64	67	72	52	49	56	47	61.7
Erie.....	Minimum.....	46	45	42	48	61	61	61	54	61	63	57	52	49	43	40	41	44	55	49	57	43	41	39	44	57	52	39	37	38	36	47	47.4
Franklin.....	Maximum.....	58	61	67	71	77	78	75	78	83	83	59	61	62	55	57	67	67	56	76	75	70	60	48	53	60	70	69	58	48	56	45	64.6
Franklin.....	Minimum.....	44	41	37	35	43	43	44	44	50	58	51	52	55	38	29	27	28	26	27	37	46	48	40	34	34	45	58	43	33	29	29	40.3
Freeland.....	Maximum.....	63	47	49	52	72	73	73	66	73	83	73	58	60	52	50	62	52	51	66	69	70	60	48	45	44	66	62	61	63	46	45	59.8
Freeland.....	Minimum.....	44	39	39	46	46	55	55	52	56	64	51	43	38	40	29	34	35	23	34	52	54	47	34	27	34	41	56	26	35	29	37	41.7
George School.....	Maximum.....	77	54	52	58	71	77	82	75	87	90	85	63	64	64	60	66	64	54	69	78	77	69	59	52	54	76	71	70	53	54	54	67.1
George School.....	Minimum.....	53	47	44	51	51	52	58	53	59	58	62	42	39	44	34	27	39	29	33	49	43	49	41	30	35	49	52	45	29	30	45	44.3
Gettysburg.....	Maximum.....	62	51	52	57	74	82	85	79	87	91	82	67	61	58	65	61	56	69	78	79	71	63	57	54	80	71	71	53	46	48	67.1	
Gettysburg.....	Minimum.....	56	48	43	49	43	57	52	50	59	61	67	48	36	44	35	27	37	28	35	49	45	48	43	43	45	55	45	30	32	43	44.6	
Gordon.....	Maximum.....	66	50	52	55	73	77	76	73	80	85	76	62	61	56	52	62	57	51	67	70	75	68	55	46	47	72	68	65	50	46	48	62.6
Gordon.....	Minimum.....	49	44	43	49	49	50	40	43	53	51	57	39	29	40	32	23	31	23	29	49	44	43	41	31	28	45	49	39	31	26	44	40.1
Greensburg.....	Maximum.....	53	52	54	76	80	77	82	84	87	84	81	65	65	60	57	72	60	63	77	73	68	53	56	62	73	72	66	54	63	53	67.7	
Greensburg.....	Minimum.....	47																															

Daily Temperatures for October, 1939—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Port Clinton.....	Maximum....	72	53	54	58	73	77	77	78	82	87	82	66	60	56	53	61	58	50	66	75	76	73	60	50	48	73	72	67	50	46	50	64.6	
	Minimum....	50	46	44	50	49	55	43	45	55	56	60	41	35	42	35	25	32	24	30	43	48	48	43	35	31	45	52	42	27	28	43	42.0	
Quakertown.....	Maximum....	77	54	51	59	72	75	76	72	82	86	77	61	62	56	52	60	57	49	66	73	75	69	55	47	50	72	67	67	48	52	52	68.5	
	Minimum....	50	45	48	49	49	52	45	45	55	54	60	40	37	39	33	24	32	26	28	41	42	48	42	30	30	46	48	44	27	28	35	41.0	
Reading*.....	Maximum....	63	54	55	58	75	78	79	73	82	88	74	63	66	56	56	64	57	54	70	77	77	66	52	49	53	76	73	66	51	53	51	64.8	
	Minimum....	52	46	46	50	50	59	59	52	61	66	55	49	46	44	37	33	39	34	38	55	57	50	45	39	41	48	58	41	34	33	42	47.1	
Retreat.....	Maximum....	64	61	54	57	68	75	74	65	75	84	74	74	59	56	50	51	50	57	62	71	74	63	51	48	46	64	68	64	50	50	48	61.5	
	Minimum....	49	45	41	49	51	52	45	47	54	53	53	43	35	38	30	33	23	26	26	32	46	46	40	29	29	45	49	43	26	38	44	40.7	
Ridgway†.....	Maximum....	66	59	64	68	74	79	75	79	72	82	84	59	63	61	49	57	67	51	57	76	73	67	54	44	49	60	65	68	43	49	57	63.6	
	Minimum....	45	36	33	33	40	40	38	38	43	53	51	33	28	28	24	21	22	17	18	34	38	39	36	25	25	42	56	42	29	30	31	34.5	
Scranton*.....	Maximum....	54	53	54	57	69	76	73	65	76	86	66	62	62	53	50	63	48	51	69	71	76	63	49	46	48	65	70	66	48	52	47	60.9	
	Minimum....	46	44	46	51	50	52	47	48	57	58	48	44	40	38	33	30	33	28	40	53	49	46	36	31	30	48	52	33	32	35	38	44	42.5
Selinsgrove.....	Maximum....	78	61	59	57	72	75	80	77	77	86	79	64	63	67	55	64	59	53	67	78	73	72	69	50	49	70	64	65	57	50	47	65.7	
	Minimum....	50	44	44	50	48	55	56	45	50	54	57	44	35	41	29	28	37	24	35	47	55	41	43	32	34	44	80	40	34	34	44	42.7	
Somerset.....	Maximum....	57	49	48	75	75	71	79	80	82	80	75	62	62	57	57	67	52	56	71	72	68	61	51	56	58	68	70	65	48	54	45	63.6	
	Minimum....	44	37	39	42	34	54	39	39	55	50	50	40	24	32	17	19	29	16	30	39	32	46	36	35	42	53	49	35	20	27	33	36.8	
Springs.....	Maximum....	54	46	47	70	74	72	76	78	80	79	70	60	61	51	53	63	51	52	70	72	70	58	48	58	57	67	70	61	45	51	42	61.5	
	Minimum....	44	37	36	39	40	49	41	44	55	51	46	36	25	36	20	22	35	17	30	40	39	45	36	35	39	50	48	31	21	23	33	36.9	
State College.....	Maximum....	58	50	53	62	74	75	78	68	84	85	75	65	61	52	55	64	52	53	75	76	68	62	50	49	52	70	67	65	52	50	45	62.7	
	Minimum....	47	41	44	48	45	56	51	45	57	62	54	44	37	39	29	29	40	24	35	42	49	50	38	30	37	42	49	40	29	28	37	41.9	
Stroudsburg†.....	Maximum....	66	58	61	66	72	76	83	86	88	90	68	66	74	60	71	66	54	62	60	66	71	62	59	54	62	66	54	60	65	71	64	67.1	
	Minimum....	54	49	50	53	56	58	60	58	53	56	54	57	49	35	36	33	30	28	38	41	50	48	37	34	32	35	32	35	36	42	40	43.7	
Towanda.....	Maximum....	56	59	55	64	74	77	75	63	78	87	78	65	65	55	52	69	50	56	74	72	75	62	51	50	47	72	70	67	49	52	47	63.4	
	Minimum....	45	37	45	50	46	52	42	45	55	55	46	40	33	37	29	27	35	22	37	49	40	42	38	28	24	45	49	35	26	33	38	39.5	
Uniontown.....	Maximum....	65	52	55	74	78	81	85	85	88	89	79	69	66	60	57	70	61	66	79	78	76	68	55	63	64	72	76	66	56	66	53	69.4	
	Minimum....	48	45	41	40	43	61	49	51	66	63	55	46	33	42	25	27	43	25	43	54	48	53	39	41	51	58	58	43	27	32	43	44.9	
Vandergrift*.....	Maximum....	56	56	61	76	78	80	85	86	85	85	66	67	67	61	55	66	50	63	78	79	69	64	52	44	62	74	73	67	44	56	45	66.9*	
	Minimum....	46	40	35	41	43	50	43	48	64	60	45	39	31	32	23	25	31	22	36	50	48	40	42	39	43	59	59	35	29	30	38	40.8	
Warren.....	Maximum....	68	64	70	76	80	75	79	74	81	84	60	60	62	50	59	70	48	59	78	74	65	57	42	49	58	66	68	64	51	57	43	63.9	
	Minimum....	43	37	36	45	42	50	40	44	56	57	44	39	32	35	30	26	37	22	39	46	45	40	37	27	34	56	55	32	31	35	35	39.6	
Waynesburg.....	Maximum....	57	52	59	76	78	80	85	86	88	87	80	72	67	61	57	70	60	65	78	78	74	70	58	65	61	73	76	65	54	61	54	69.3	
	Minimum....	47	43	36	88	42	59	44	50	62	63	45	45	29	39	21	24	29	22	46	55	47	54	39	40	46	57	59	37	25	29	40	42.3	
Wellsboro.....	Maximum....	52	56	57	68	77	74	72	59	77	84	73	62	58	51	42	65	46	52	74	70	66	57	45	46	48	66	66	63	46	49	47	60.3	
	Minimum....	44	37	38	49	45	54	40	44	53	53	50	36	32	38	25	26	36	20	36	38	38	37	37	26	26	47	53	36	32	32	35	38.5	
West Chester.....	Maximum....	75	52	51	58	72	80	81	81	86	90	72	64	65	59	57	55	61	54	69	77	78	69	56	53	57	77	72	70	52	53	53	66.1	
	Minimum....	51	45	44	55	54	54	54	52	60	61	57	43	41	45	34	30	41	28	33	48	50	50	41	38	38	52	65	43	29	31	45	45.6*	
Wilkes-Barre.....	Maximum....	56	53	54	58	71	77	76	64	77	87	75	64	61	57	51	64	51	52	70	74	77	64	51	51	47	66	69	66	50	52	48	62.4	
	Minimum....	48	45	46	50	51	50	44	47	53	57	57	43	36	42	32	27	34	23	39	47	45	49	41	34	29	45	49	39	30	31	43	42.1	
Williamsport.....	Maximum....	58	55	54	58	62	78	78	68	75	87	83	65	64	58	60	64	60	47	60	65	69	63	55	47	46	60	60	59	50	48	45	61.3	
	Minimum....	49	43	47	51	46	51	43	46	53	59	57	41	33	45	29	27	38	24	35	47	44	47	41	29	30	43	49	43	35	32	43	41.9	
Williamstown.....	Maximum....	72	68	51	65	75	77	82	79	81	85	84	61	63	68	70	64	62	54	72	75	73	80	69	47	50	74	71	66	56	48	47	67.4	
	Minimum....	42	40	40	45	48	57	55	52	58	65	56	44	38	29	34	35	43	26	36	45	47	49	38	31	36	43	57	43	30	31	41	43.0	
York.....	Maximum....	67	54	51	56	73	78	80	73	82	86	80	64	63	61	53	61	59	55	69	74	77	68	61	52	57	77	72	71	50	45	48	65.1	
	Minimum....	52	45	45	50	47	52	48	47	57	57	62	42	35	47	34	28	34	27	39	47	45	46	37	41	40	53	52	44	30	32	45	43.9	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. *, †, ‡, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Erie.....	30.02	30.47	15	29.54	27	8.8	26	w.	28	74	66	74	41
Harrisburg.....	30.06	30.51	18	29.51	28	7.1	31	nw.	28	80	55	65	49
Philadelphia.....	30.05	30.52	18	29.46	31	12.0	34	nw.	28	79	55	64	54
Pittsburgh.....	30.07	30.49	15	29.57	28	11.0	34	w.	28	78	47	56	55
Reading.....	30.06	30.52	18	29.51	28	10.0	42	nw.	28	75	52	61	42
Scranton.....	30.05	30.48	15	29.42	28	6.5	34	nw.	28	82		68	

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

G. S. BLISS.

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GENERAL SUMMARY.

The month was abnormally cool and dry. The greatest temperature departures were on the plus side and occurred on the 10th in the western part of the State and from the 16th to 18th in all districts. The deficiency was due to a larger number of days with departures on the negative side. The temperature range and extremes were moderate. The maximum of 76 degrees has been exceeded in two years out of three during the past 51 years, and temperatures have fallen as low or lower than the minimum of 11 degrees in all Novembers during that period excepting five. The average precipitation for the State was practically one-third of a November normal, and its distribution was rather more uniform than usual. The heaviest precipitation was confined generally to the Upper Delaware Valley, with the next heaviest in a belt extending down through the central portion of the State from north to south. In the heavier precipitation region the amounts ranged from about an inch and a half up to 3.20 inches at Stroudsburg, which was the greatest for the State. In the belt across the central portion of the State the precipitation ranged from one inch to a little more than two inches. It was less than an inch from that belt westward, excepting the extreme northwest; and in the eastern portion of the State between the Delaware Valley and the Susquehanna, the precipitation was considerably less than an inch. The precipitation was extremely light in the eastern half of the State after the 14th and in the western half after the 23d, there being scarcely any measurable amounts in any part of the State during the last week. The snowfall was heaviest in the mid-State belt and accounted chiefly for the heavier precipitation in that region. There was very little snow east of the Susquehanna, excepting the counties of Wayne and Susquehanna. This large deficiency of moisture greatly aggravated a drought condition that had been accumulating since the 1st of July, the single exception being a slight excess in the month of October. The accumulated deficiency from the 1st of July to the end of November was a little more than 4 inches. This left the surface water supply very low with many springs and small streams going dry. The condition, as regards the winter grains, was alleviated somewhat by the October rains, which stimulated their growth and helped them to become well established before that growth was stopped by low temperatures.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 92 stations, was 59.7°, which is 1.6° below the 52-year State normal. The highest monthly mean was 45.4° at Marcus Hook and Philadelphia-Pt. Breeze, and the lowest was 28.2° at Gouldsboro. The highest temperature for the month was 76° at Derry, Donora and Uniontown on the 10th, and the

lowest was 11° at Wellsboro on the 4th, at Huntingdon on the 25th, and at Coudersport on the 26th. The greatest daily range in temperature was 47° at Lancaster on the 16th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 177 stations, was 0.97 inch, which is 1.87 inches below the 52-year State normal. The greatest monthly amount was 3.20 inches at Stroudsburg, while the least, 0.23 inch, was recorded at Blosser-ville. The greatest amount recorded in any 24 consecutive hours was 1.80 inches at Stroudsburg on the 5-6th.

The average snowfall for the State was 1.6 inches, which is 1.1 inches below the 52-year State normal. The greatest monthly snowfall was 13.0 inches at Coudersport, where also occurred the greatest fall for any 24 consecutive hours, 10.0 inches on the 4-5th.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	42.2	79	4	3.37	2.1	11	9	7	14
1889.....	41.8	73	10	6.72	0.7	15	5	8	17
1890.....	41.8	78	10	1.49	0.5	8	9	10	11
1891.....	39.7	76	6	2.65	1.2	9	9	8	13
1892.....	39.0	80	10	4.34	8.6	12	6	8	16
1893.....	39.2	68	-4	2.93	2.4	8	8	11	11
1894.....	38.2	74	6	2.50	5.3	9	10	9	11
1895.....	42.9	78	6	2.48	0.5	10	10	8	11
1896.....	46.0	83	12	3.55	1.1	10	8	9	13
1897.....	41.6	76	2	5.28	2.6	14	6	8	16
1898.....	40.0	73	8	4.03	6.9	11	8	9	13
1899.....	41.5	72	7	2.66	1.2	7	10	8	12
1900.....	43.5	79	7	4.10	3.1	12	6	9	15
1901.....	36.0	76	9	2.56	3.1	8	7	8	15
1902.....	47.3	78	0	1.53	1.5	8	10	8	12
1903.....	36.9	78	2	2.18	1.4	7	11	8	11
1904.....	38.8	79	-4	1.14	3.5	6	10	9	11
1905.....	39.1	68	5	2.47	0.9	9	11	8	11
1906.....	41.5	80	9	1.48	4.0	8	12	6	12
1907.....	39.8	70	4	3.60	2.9	10	13	8	9
1908.....	41.2	75	-2	0.90	5.0	5	12	8	10
1909.....	46.4	80	15	1.40	1.9	7	12	8	10
1910.....	36.8	68	9	2.45	8.5	11	4	7	19
1911.....	37.8	77	7	2.84	3.7	10	7	7	16
1912.....	43.0	81	7	2.17	1.9	7	10	8	12
1913.....	43.9	79	10	3.05	4.5	11	10	5	15
1914.....	40.6	81	-2	1.76	1.5	6	12	9	9
1915.....	42.1	79	13	2.18	1.3	10	10	9	11
1916.....	41.3	79	4	2.27	1.6	9	13	6	11
1917.....	37.6	69	-5	0.63	1.4	5	14	7	9
1918.....	42.1	76	11	2.03	T	7	12	6	12
1919.....	41.2	76	11	5.35	2.3	12	11	7	12
1920.....	40.3	75	5	3.54	4.5	11	7	7	16
1921.....	42.3	80	3	5.75	1.4	16	5	7	13
1922.....	42.9	73	12	1.21	1.8	9	10	7	13
1923.....	40.7	70	10	2.83	0.3	10	12	5	13
1924.....	40.7	78	-9	1.54	2.9	7	12	8	10
1925.....	39.5	71	4	3.56	2.2	10	11	7	12
1926.....	40.4	79	-1	4.49	0.9	10	9	7	14
1927.....	46.2	85	10	4.95	1.8	14	7	7	16
1928.....	43.4	81	4	2.32	2.3	12	7	8	15
1929.....	41.1	81	-10	5.39	1.9	12	8	8	14
1930.....	42.0	75	-15	1.48	2.3	9	10	7	13
1931.....	49.2	80	12	1.52	2.9	9	10	8	12
1932.....	39.4	75	-2	4.75	0.3	10	12	7	11
1933.....	38.1	83	-11	1.55	7.0	11	8	7	15
1934.....	44.9	80	6	3.61	1.8	12	9	7	14
1935.....	44.4	85	5	3.84	2.5	12	7	6	17
1936.....	38.6	78	-2	2.40	3.4	8	9	8	13
1937.....	40.7	79	-3	2.56	2.0	11	11	7	12
1938.....	42.7	87	-13	3.10	10.9	10	13	7	10
1939.....	39.7	76	11	0.97	1.6	5	15	6	9
Period	41.3	87	-15	2.84	2.7	10	9	8	13

Climatological Data for November, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days			Prevailing direction of wind	Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear			Pt. cloudy	Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	254	27	39.9	-2.5	70	18	22	25†	34	1.38	-1.38	0.80	T.	3	21	8	1	nw.	John A. Frick.
	Altoona.....	Blair.....	1,615	52	37.2†	-3.3	67†	10	18†	25	38†	0.95	-1.47	0.73	5.1	4	17	10	3	e.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	350	19	42.8	-1.5	68	18	25	15	36	1.08	-2.29	0.71	0.8	5	13	10	7		H. L. Balderston.
	Arendtsville.....	Adams.....	700	17	42.8	0.0	67	16†	26	4†	36	1.54	-0.84	0.64	T.	4	17	4	9	n.	Penn. State Expt. Station.
	Bedford.....	Bedford.....	1,060	7	42.2		65	10	25	2†	37	1.51		0.76	5.0	5	16	2	12	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	53	43.5	-1.0	68	18	26	26	35	0.69	-2.18	0.50	T.	3	18	2	10	w.	Leligh University.
	Bloomsburg.....	Columbia.....	500	13	39.1		67	18	18	4†	46	0.59		0.52	0.5	4	23	3	4		Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	70	43.1	+1.6	72	18	22	25	45	0.75	-1.57	0.62	T.	4	17	5	8	nw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	42	43.8	+1.5	71	18	25	25	34	1.85	-0.40	1.10	T.	5	15	9	6	ne.	William E. Spear.
	Clearfield.....	Clearfield.....	1,120	38	37.3	-3.7	65	10	15	24	41	1.33	-1.64	0.64	7.5	5	8	8	14	w.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	380	52	39.9	-2.9	67	18	22	15	37	0.65	-2.29	0.60	T.	2	20	4	6	nw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	560	27	40.2	-1.4	66	18	22	15	37	0.43	-2.00	0.38	T.	4	21	0	9	w.	Wm. A. Korer.
	Emporium.....	Cameron.....	1,050	54	36.8	-2.5	71	10	15	4†	41	1.03	-1.81	0.55	2.0	4	17	0	13	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	380	42	42.4	-0.9	68	18	25	15†	40	0.61	-1.65	0.55	T.	4	17	6	7	n.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,970	46	36.7	-0.6	61	18	20	14	29	1.39	-1.74	0.75	2.3	4	9	3	18	w.	Andrew B. Evansh.
	George School.....	Bucks.....	100	33	42.4†	+1.2	71†	18	24†	15	44†	1.54	-1.33	1.42	1.5	4	14	12	4	ne.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	66	43.6	+1.2	70	18	26	15	34	0.80	-1.60	0.65	0	5	19	3	8	ne.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	840	35	38.6	-1.3	66	18	16	15	44	0.96	-2.22	0.69	T.	6	21	4	5	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,875	24	28.2	-7.2	50	16†	14	15	35	0.49	-2.73	0.45	0.8	3	21	1	8	nw.	Steward W. Eilenberger.
	Hanover.....	York.....	600	35	43.9	-1.1	70	18	27	4†	33	0.78	-1.48	0.55	T.	6	19	2	9	s.	Thomas Y. Cooper.
Harrisburg.....	Dauphin.....	337	70	42.8	0.0	69	18	25	24	42	0.53	-1.73	0.45	T.	6	13	9	8	sw.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	21	36.3	-2.9	62	10	13	24†	42	1.66	-0.97	0.84	2.8	4	17	8	6	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	24	42.6	-2.5	65	16	29	15	35	0.85	-1.34	0.55	T.	6	19	4	7	nw.	H. W. Lowy, C. E.	
Huntingdon.....	Huntingdon.....	650	52	39.2	-2.6	69	10	11	25	46	1.21	-1.02	1.08	6.0	4	15	7	8	nw.	Prof. Paul R. Yoder.	
Kyertown.....	Clearfield.....	1,694	10	36.1	-2.1	65	10	17	24	32	1.01	-1.12	0.83	10.0	7	8	7	15	.....	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	255	52	41.0	-2.1	70	18	18	26	47	0.58	-1.80	0.42	T.	5	22	4	4	nw.	Supt. of Water Works	
Lawrenceville.....	Tioga.....	1,000	42	36.0	-3.1	67	10	14	28	44	0.55	-1.72	0.30	1.2	4	16	8	6	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	469	55	40.8	-1.8	69	18	22	24	42	0.54	-1.97	0.41	T.	5	22	2	6	w.	Lebanon Valley Gas	
Lewistown.....	Mifflin.....	500	1	42.8	.....	67	18	20	4	37	0.48	.....	0.48	T.	1	17	1	12	.....	Penna. Edison Co.	
Lock Haven.....	Clinton.....	580	49	39.4	-2.6	62	16†	19	24	35	0.84	-1.27	0.53	2.0	5	8	15	7	sw.	Joseph Beaver.	
Marcus Hook.....	Delaware.....	50	13	45.4	-2.3	72	17	30	3†	33	0.59	-2.11	0.59	T.	1	22	0	8	e.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,620	34	34.7	-0.6	61	16	12	14	36	0.50	-2.15	0.48	3.0	3	3	16	11	nw.	Phillip F. Chamberlain.	
Mt. Pocono.....	Monroe.....	1,720	33	35.9	-0.3	70	18	16	14†	40	2.00	-1.21	1.40	T.	3	20	3	7	nw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	1,045	27	37.3†	-2.0	58†	16	16	15	31†	0.72	-2.05	0.57	T.	3	17	10	3	nw.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	60	50	39.2	-3.4	69	18	20	15	45	1.42	-1.61	0.36	0.2	2	21	4	5	sw.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	1	39.4	.....	68	18	17	24	43	0.83	.....	0.75	T.	3	16	6	8	w.	J. Earl Saeffer.	
Palmerton.....	Carbon.....	398	21	39.6	-2.5	67	16	19	24	43	0.28	-2.31	0.28	T.	1	4	15	11	nw.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	68	44.9	-0.8	70	18	33	20	31	1.26	-1.44	1.03	0.4	3	13	10	7	nw.	U. S. Weather Bureau	
Phila. Navy Yard.....	Philadelphia.....	20	23	44.4	-1.6	69	18	32	4	32	0.97	-1.86	0.72	T.	2	17	5	8	sw.	Navy Aerological Office	
Phoenixville.....	Chester.....	100	29	41.9	-1.6	72	18	20	15	46	1.14	-1.85	0.67	1.0	6	18	8	4	nw.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	407	1	40.6	-1.2	67	18	18	24	43	0.71	-2.10	0.61	T.	3	25	0	5	n.	E. E. Rarick.	
Quakertown.....	Bucks.....	496	54	39.5	-1.9	66	18	22	16	41	0.87	-2.27	0.60	T.	3	18	5	7	nw.	John E. Benner.	
Reading.....	Berks.....	273	69	43.8	+1.3	68	18	28	26	32	0.59	-2.14	0.59	0	1	15	9	6	nw.	U. S. Weather Bureau.	
Seranton.....	Lackawanna.....	746	45	38.4	-2.1	62	16†	22	24	34	0.46	-2.31	0.43	0.6	3	12	11	7	nw.	U. S. Weather Bureau	
Sellersville.....	Snyder.....	455	49	40.7	-1.1	68	18	19	24	41	0.76	-1.71	0.41	2.0	7	14	10	6	w.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	43	42.0	-3.1	65	16	25	15	37	0.80	-2.03	0.63	0.1	6	9	14	7	nw.	W. S. Guiles.	
Shippensburg.....	Cumberland.....	660	6	42.1	.....	68	18	24	25	36	0.91	.....	0.88	T.	2	13	7	10	w.	State Teachers College	
State College.....	Center.....	1,217	55	38.8	-1.2	66	10	19	24	38	1.02	-1.29	0.86	7.6	4	13	13	4	w.	C. A. Kern.	
Stroudsburg.....	Monroe.....	500	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	w.	State Teachers College	
Towanda.....	Bradford.....	754	45	37.0	-2.8	67	16†	16	15	45	0.46	-1.68	0.26	T.	4	12	9	9	ne.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,419	69	34.6	-3.0	61	16†	11	4	37	1.09	-1.13	0.33	2.0	9	24	1	5	n.	George W. Hill.	
West Chester.....	Chester.....	455	90	42.6	-0.5	71	18	25	15	37	0.79	-2.29	0.53	1.0	5	23	0	7	nw.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	1	38.5	.....	64	16	19	15	39	0.59	-1.63	0.43	T.	4	.....	.....	.....	.....	U. S. Airways Station.	
Williamsport.....	Lycoming.....	521	53	38.2	-3.0	64	16	20	15	42	0.97	-1.40	0.58	T.	5	19	6	5	w.	Mrs. Ralph F. Keller.	
Williamstown.....	Dauphin.....	1,275	24	41.4	-0.8	68	19	23	41	38	0.92	-1.91	0.49	1.5	6	17	9	4	nw.	Susquehanna Collieries Co.	
York.....	York.....	400	51	40.8	-2.3	68	18	21	24†	38	0.55	-1.68	0.40	0	6	18	7	5	w.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,173	49	34.6	-3.0	70	10	13	26†	45	1.17	-1.72	0.31	2.5	10	8	3	19		Frank S. Fawcett.
	Butler.....	Butler.....	1,077	26	38.7	+0.4	72	10	17	29	45	0.96	-1.84	0.32	2.5	5	14	11	5	w.	William C. Faust.
	Chambersville.....	Indiana.....	1,047	38	39.1	-2.0	73	10	16	26	43	0.74	-2.03	0.42	3.5	7	12	4	14	w.	John E. Lewis.
	Clairemont.....	Allegheny.....	1,020	7	41.6		73	10†	24	26	40	0.43		0.10	T.	7	6	12	4	s.	Carnegie-Illinois Steel Corp
	Claysville.....	Washington.....	1,150	34	41.9	-0.5	72	10	18	26	30	0.49	-2.01	0.10	T.	9	13	1	16	s.	J. L. Melvin.
	Corry.....	Erie.....	1,430	26	36.1	-2.5	68	10	14	26	40	0.74	-3.07	0.54	T.	2	15	8	7	w.	Ass'd Gas & Electric Co.
	Coudersport.....	Potter.....	1,665	12	34.7	-1.8	67	10	11	26	43	1.82	-1.17	0.97	13.0	8	19	4	7	nw.	Phillip R. Shaw.
	Derry.....	Westmoreland.....</																			

Daily Precipitation for November, 1939

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage																																	
Allentown ²	Lehigh	.80				.02	.56								T					T	T												1.38
Altcoosa ²	Juniata					.73	.08		.09		.05				.09								T										0.95
Ansoula ²	W. Br. Susq.	.27		T		.47	.09				.06												.11	.23									0.97
Ardmore ³	Lower Del.				.01	.71									.02						T												1.08
Arendtsville ²	Lower Susq.	.64				.48	.40		.02	T											T				.06								1.54
Baker's Summit	Juniata					.95	.05	.09	.06		.02				.04																		1.09
Bald Eagle ¹	Middle Susq.					.90	.05				.03				.07						T				.30						T		1.20
Bedford ²	Juniata	.38				.50	.26		T		.05				T																T		1.51
Bellefonte ²	W. Br. Susq.	T			T	.82		T	.05					T																			0.87
Berwindale ¹	W. Br. Susq.					.70		.10			.05	.02			.02									.07	.02								0.98
Bethlehem	Lehigh	.19				.36	.14		T		.02				T						T												0.69
Bloomsburg	Susquehanna					.52	T		.03	.02					T																		0.59
Blossville	Lower Susq.	.08				.10		.05							T												.12						0.23
Buffalo Mills ²	Potomac	.38				.63	.35		T		.06																						1.48
Carlisle	Lower Susq.	.04			T	.62			T													.03											0.75
Carter Camp ¹	W. Br. Susq.					.05	.28	.09			.13	.01			.10																		0.66
Center Hall	Susquehanna	.01				.64					.01											.03											1.85
Chambersburg ²	Potomac	.67				.63	.47		.05																								1.85
Clearfield ²	W. Br. Susq.	.34				.64	.22		T	T	T	.05		T	.08																		1.33
Coatesville	Lower Del.					.60									T						T			.05									0.65
Colebrook	Lower Susq.	.03				.38			.01					T	.01																		0.43
Conshohocken	Schuylkill	.04				.62	.18							T	.01								.02	.05	.11								1.02
Covington ²	N. Br. Susq.	.55				.20	.13	.03		.02					.04																		0.96
Doylestown	Lower Del.	.05				.79	.13														T		T										0.97
Driftwood ¹	W. Br. Susq.				.03	.68	.09	.02		.06	.11	.01			.10	.05																	1.15
Du Bois	W. Br. Susq.				.19	.60	T		.08		.07			T	.02																		0.96
East Waterford ²	Middle Susq.	.74				.46	.32								.03																		1.55
Emporium	W. Br. Susq.					.55			.20		.10				.18																		1.03
English Center ¹	W. Br. Susq.					.10								.04																			
Ephrata	Lower Susq.	.02				.55	T		.02						.02						T												
Fredericksburg ²	Schuylkill				T	.61			T						T																		
Freeland ²	Lehigh	.75		T		.01	.60								.03																		1.39
Galeton	N. Br. Susq.		T			.60	.02		.15			.03			.06	.05																	0.91
George School	Lower Del.	.06				1.30	.12																.06										1.54
Gettysburg	Potomac	.03				.65	.03		.03																						.06		0.80
Girardville ²	Lower Susq.				.03	.45		.02	.01		T			.03																			0.54
Gordon	Lower Susq.	.15				.69	.08		.02						.01							.06											0.96
Gouldsboro ²	Lehigh		T			.45	T	T	.02	T		T		.02													T		T				0.49
Graterford	Schuylkill	.78				.64	.32		.03					T																			1.81
Hanover	Lower Susq.	.05				.55	.03		.03													.11									.01		0.78
Harrisburg ¹	Lower Susq.				.06	.39		.05	T		T			.01	.01						T												0.53
Hawley ²	Upper Del.	.73				.84			.08	T	T				T																		1.66
Hollersville ²	Upper Del.	.70				.69			.10																								1.49
Holtwood ²	Lower Susq.	.55				.12	.13		.01	T					.03							.01											0.85
Huntingdon	Juniata	.03				1.08			.09					.01		T																	1.21
Huntsdale ¹	Lower Susq.	.04			.13	.75		.05																									0.97
Hyndman ²	Potomac	.30				.34	.20		.03					T																			1.05
Kylertown ²	W. Br. Susq.	.01	T		.10	.73	T	.04	.02		.04	T		.07	T						T	T											1.01
Lakeville ²	Upper Del.	.71				.43			T	.10																							1.24
Lancaster	Lower Susq.	.05				.42	.08		.02													.01											0.58
Lansford ²	Lehigh	.78				.57			T																								1.35
Lawrenceville	N. Br. Susq.	.10	.05			.30	.10		T						T	T																	0.55
Lebanon ²	Lower Susq.				.11	*	.41		.01		T				T						T	.01											0.54
Leighton ²	Lehigh																																
Lewistown	Middle Susq.					.48																											0.48
Lock Haven	W. Br. Susq.	.06				.53	.01		.09						.15																		0.84
Mapleton Depot ²	Juniata	.59				.80	.22		.03																								1.64
Marcus Hook	Lower Del.					.59									T							T		T									0.59
Martinsburg ²	Juniata	.32				1.23	.17																										1.72
Matamoras ²	Upper Del.																																

Day of month

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First-order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ^{**} Precipitation for period, 7:30 p. m. to 7:30 p. m. [†] Precipitation measured with recording gage, midnight to midnight. ^{*} Included in next measurement. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. Post Office addresses are as follows: of Bloersville, Newville: of Acmetonia, Barking; of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Lock No. 5, Schenley. § Airway Station. ¶ River Station. ||| Formerly Dahoga and Kane(near).

Daily Temperatures for November, 1939

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Altoona.....	Maximum....	52	44	42	46	43	47	45	43	67	45	53	44	50	.....	.....	.....	.....	62	44	35	34	46	42	84	50	38	47	50	47	.....	46.1 ¹	
	Minimum....	31	20	32	31	29	32	32	29	32	24	29	31	31	.....	.....	.....	.....	40	24	26	29	29	19	18	24	24	31	29	33	.....	28.2 ¹	
Bedford.....	Maximum....	53	50	44	41	37	43	50	49	47	65	61	53	48	50	63	64	64	59	50	37	37	45	43	40	47	43	61	57	47	.....	50.4	
	Minimum....	35	29	32	31	34	38	40	34	40	34	40	31	40	26	44	42	13	49	31	32	33	33	28	28	28	27	25	36	32	.....	34.1	
Bethlehem.....	Maximum....	55	53	50	47	56	48	51	55	50	62	58	49	47	42	53	65	63	68	64	47	36	40	50	48	42	53	48	53	56	55	.....	52.2
	Minimum....	36	43	33	28	38	37	37	46	36	29	41	30	34	30	30	30	50	33	47	28	30	33	33	28	34	26	35	37	36	39	.....	34.8
Bloomsburg.....	Maximum....	54	59	47	41	39	49	55	50	44	63	58	50	42	42	50	65	57	67	47	40	36	40	48	47	50	45	52	54	52	51	.....	49.9
	Minimum....	32	31	25	18	31	31	35	43	34	24	41	23	30	39	19	22	47	21	39	26	29	32	25	18	20	18	25	29	23	27	.....	25.3
Brookville.....	Maximum....	47	42	38	47	36	44	53	46	48	70	49	50	38	46	57	62	59	57	54	36	37	37	42	42	35	47	37	46	45	39	.....	46.2
	Minimum....	25	27	24	25	25	30	24	25	29	25	26	18	18	30	19	19	29	25	31	25	26	31	29	18	16	13	18	14	15	16	.....	23.1
Butler.....	Maximum....	48	43	40	47	45	42	55	54	49	72	69	42	45	53	60	65	66	64	57	52	36	36	42	42	40	40	38	40	52	49	.....	49.6
	Minimum....	36	32	21	28	29	28	28	39	30	32	24	20	20	35	22	28	35	31	34	30	29	38	26	27	20	23	20	31	17	26	.....	27.8
Carlisle.....	Maximum....	59	57	52	45	41	55	57	56	53	66	57	56	50	52	53	70	68	72	61	50	40	36	50	45	40	51	57	60	62	59	.....	54.1
	Minimum....	33	34	30	24	34	33	34	38	36	30	38	31	34	33	23	25	45	38	46	32	36	31	36	24	22	28	27	26	30	31	.....	32.1
Chambersburg.....	Maximum....	57	51	53	43	39	49	52	56	55	63	56	55	48	57	61	69	70	71	60	52	38	37	52	46	35	52	51	66	61	48	.....	53.5
	Minimum....	36	33	30	27	33	37	31	42	37	29	39	31	35	33	27	35	51	45	52	33	32	33	34	26	25	28	27	34	32	35	.....	34.2
Chambersville.....	Maximum....	51	49	40	47	43	43	53	48	48	73	69	52	47	50	59	62	61	57	55	55	38	38	37	42	41	47	43	44	50	40	.....	49.6
	Minimum....	34	30	27	20	32	30	28	39	30	32	20	28	35	24	37	39	32	44	26	31	32	32	19	19	16	19	30	19	23	.....	28.6	
Claysville.....	Maximum....	52	47	42	47	43	48	50	48	49	72	58	52	47	53	60	63	68	58	56	48	45	49	41	48	39	46	47	50	54	44	.....	50.8
	Minimum....	39	30	33	30	32	30	33	39	24	49	32	29	29	31	38	40	40	39	39	34	34	39	38	35	28	18	21	28	24	35	.....	33.0
Clearfield.....	Maximum....	48	44	41	42	43	43	51	45	47	65	64	47	45	45	55	59	59	56	55	45	35	36	41	41	39	46	43	45	49	46	.....	47.3
	Minimum....	31	29	22	17	31	33	28	36	31	24	32	21	31	32	19	30	39	30	41	24	29	30	32	15	18	16	21	32	24	21	.....	27.3
Coatesville.....	Maximum....	53	53	45	45	41	49	53	56	45	60	55	48	46	41	49	64	61	67	53	44	37	38	42	40	35	45	51	51	52	51	.....	49.0
	Minimum....	32	36	30	24	34	31	32	39	31	25	39	27	29	28	22	27	42	33	44	28	29	30	29	26	29	25	30	29	32	.....	30.8	
Corry.....	Maximum....	45	42	35	47	38	40	52	48	50	68	46	49	45	46	60	57	64	57	50	36	40	45	39	42	39	47	39	45	47	50	.....	46.9
	Minimum....	31	30	25	17	26	27	26	31	28	28	25	24	26	27	22	30	33	32	19	25	23	21	27	21	14	18	31	19	22	.....	25.3	
Coudersport.....	Maximum....	44	41	38	49	39	39	48	43	42	67	61	46	39	39	53	60	58	60	46	36	44	38	44	45	35	44	38	50	49	47	.....	46.1
	Minimum....	31	25	15	12	30	25	32	31	28	24	30	23	28	21	13	24	30	23	30	17	24	24	28	13	11	16	30	19	21	.....	23.3	
Donora*.....	Maximum....	54	49	44	50	43	45	51	50	49	76	49	56	48	56	63	66	67	62	54	43	45	42	44	45	42	49	48	52	53	46	.....	51.4
	Minimum....	40	37	32	32	35	34	35	37	30	40	34	31	32	36	35	37	43	42	45	37	35	37	39	34	31	28	27	29	28	34	.....	34.9
Ebensburg.....	Maximum....	44	44	34	36	34	33	45	44	40	68	65	45	45	46	51	55	53	53	49	45	38	35	34	35	31	44	37	42	45	45	.....	43.8
	Minimum....	32	29	24	21	28	28	29	36	18	31	28	24	28	32	32	35	39	45	45	36	26	27	26	28	21	26	23	29	27	.....	29.4	
Emporium.....	Maximum....	48	44	41	41	40	42	51	48	45	71	69	49	40	43	46	62	59	60	51	42	39	38	46	44	37	47	45	52	50	43	.....	47.8
	Minimum....	32	28	23	15	32	29	30	35	33	23	35	24	32	30	17	21	28	25	39	21	29	31	24	15	15	15	32	22	21	.....	25.9	
Ephrata.....	Maximum....	57	53	49	50	42	48	56	55	51	62	56	53	46	46	54	66	65	68	57	45	40	39	47	45	38	49	53	55	57	51	.....	51.8
	Minimum....	35	37	31	26	37	37	34	41	37	28	41	30	32	32	25	26	42	32	43	31	32	34	30	27	29	25	32	36	32	34	.....	32.9
Erie*.....	Maximum....	48	42	38	41	42	45	51	47	47	68	43	47	40	39	55	57	56	55	45	36	41	39	40	42	39	40	41	44	48	48	.....	45.3
	Minimum....	33	34	31	30	36	36	37	38	36	41	53	33	36	32	37	46	43	43	31	26	30	35	35	30	28	27	37	36	36	39	.....	34.8
Franklin.....	Maximum....	44	38	38	45	43	39	52	45	46	69	43	45	40	48	60	64	62	60	38	36	37	38	41	37	43	38	47	45	44	.....	46.2	
	Minimum....	37	33	30	21	24	33	29	29	33	33	34	24	24	31	25	33	34	34	26	27	33	31	29	21	15	15	21	21	21	.....	27.5	
Freeland.....	Maximum....	47	46	40	45	37	41	49	47	39	56	49	45	40	36	50	58	53	61	51	34	33	33	42	43	33	44	34	47	58	52	.....	44.8
	Minimum....	30	33	25	22	30	30	31	35	28	27	34	23	22	20	21	40	39	39	31	22	23	27	27	23	24	21	27	28	38	.....	28.6	
George School.....	Maximum....	55	59	57	50	47	54	56	60	.....	61	60	52	50	42	53	69	64	71	60	49	39	41	49	45	39	51	57	57	55	53	.....	53.6 ¹
	Minimum....	34	33	31	26	37	35	33	45	.....	26	35	26	29	27	24	25	41	28	46	28	31	31	30	27	32	26	28	33	28	34	.....	31.3 ¹
Gettysburg.....	Maximum....	57	54	50	44	42	49	57	52	62	60	55	50	54	55	68	68	70	63	50	39	39	48	45	39	50	55	58	63	53	.....	53.5	
	Minimum....	35	35	30	27	35	34	30	42	36	30	30	31	33	32	26	34	51	44	48	32	32	31	34	27	27	30	31	33	36	35	.....	33.8
Gordon.....	Maximum....	52	50	45	44	40	46	53	52	44	60	55	49	45	39	53	65	58	66	59	41	37	38	45	43	38	46	49	52	53	52	.....	49.0
	Minimum....	28	28	26	19	32	33	31	38	35	23	38	24	27	29	16	21	46	26	41	23	27	32	23	17	26	17	28	35	30	25	.....	28.1
Greensburg.....	Maximum....	48	46	40	50	42	43	53	47	47	71	66	50	47	46	54	58	56	59	56	48	40	52	40	44	38	45	48	48	52	47	.....	49.0
	Minimum....	34	35	32	26	32	31	30	39	29	33	34																					

Daily Temperatures for November, 1939—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum.....	53	52	47	44	46	48	52	54	50	60	59	49	47	41	49	65	64	67	64	46	38	39	44	45	46	47	49	52	53	53	.....	50.6
	Minimum.....	29	35	26	21	33	35	32	39	37	23	10	28	29	30	20	22	47	27	42	28	31	34	26	18	29	22	31	35	33	29	.....	30.4
Quakertown.....	Maximum.....	56	53	45	46	42	48	50	65	47	58	54	48	44	40	49	63	59	66	58	39	37	39	45	42	38	42	48	51	51	54	.....	49.2
	Minimum.....	32	38	28	23	35	26	32	40	35	28	40	25	28	27	24	22	42	26	34	26	30	31	29	23	29	23	28	30	29	30	.....	29.8
Reading*.....	Maximum.....	55	52	47	48	46	49	56	57	47	64	58	53	44	42	55	67	63	68	58	41	41	40	47	46	41	50	51	55	56	53	.....	51.7
	Minimum.....	38	41	35	29	37	39	38	40	37	32	40	33	34	31	30	38	47	45	39	31	33	34	33	28	32	28	36	40	38	38	.....	35.8
Retreat.....	Maximum.....	52	50	44	46	46	47	51	51	43	61	60	46	46	36	48	62	57	62	51	37	37	40	43	43	39	45	48	55	50	49	.....	48.2
	Minimum.....	30	31	25	18	33	33	34	35	33	26	37	22	30	29	18	22	35	26	31	22	26	33	25	19	28	18	21	30	25	27	.....	27.4
Ridgway†.....	Maximum.....	44	49	41	39	46	37	41	52	42	46	69	43	49	37	42	62	63	60	56	50	35	39	38	45	42	35	48	38	52	48	.....	46.3
	Minimum.....	33	27	22	15	18	31	27	28	30	26	26	21	21	30	18	18	25	25	39	23	23	30	31	16	18	13	12	27	20	19	.....	23.7
Scranton*.....	Maximum.....	50	50	41	48	41	45	52	50	59	53	52	50	45	51	65	63	68	62	42	38	40	45	45	46	48	52	52	56	48	48	.....	46.3
	Minimum.....	34	36	29	25	34	36	38	37	28	28	32	31	30	24	24	29	34	30	27	24	30	32	31	22	29	26	31	38	37	35	.....	30.6
Selinsgrove.....	Maximum.....	54	52	47	46	42	54	53	53	50	59	53	52	50	45	51	65	63	68	62	42	38	40	45	45	46	48	52	52	56	48	.....	51.0
	Minimum.....	31	34	29	21	32	30	33	42	36	46	44	28	29	31	21	24	33	29	40	28	31	29	30	19	21	28	31	29	26	27	.....	30.4
Somerset.....	Maximum.....	47	45	40	38	37	38	45	42	45	71	62	49	44	48	58	56	59	55	54	45	32	33	38	37	33	45	40	44	55	41	.....	45.9
	Minimum.....	32	28	25	18	28	25	26	36	27	26	29	19	25	32	28	30	40	40	42	27	26	18	30	17	17	13	14	26	22	25	.....	26.4
Springs.....	Maximum.....	46	42	40	40	32	38	45	43	44	70	60	48	40	49	56	57	59	57	52	46	29	34	35	37	30	42	40	43	52	39	.....	44.8
	Minimum.....	32	27	24	19	28	27	26	33	26	27	29	27	26	33	27	38	40	38	45	26	25	27	31	16	18	18	22	27	30	28	.....	27.8
State College.....	Maximum.....	52	42	42	43	33	44	50	48	47	66	45	52	44	44	60	62	61	65	62	37	37	36	46	42	35	50	41	42	55	50	.....	47.6
	Minimum.....	32	33	26	20	30	32	32	36	32	28	34	25	33	30	23	38	42	43	37	25	26	29	32	19	22	22	28	29	28	30	.....	29.9
Stroudsburg†.....	Maximum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Minimum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Towanda.....	Maximum.....	51	52	39	47	38	49	54	50	42	66	57	46	38	39	48	67	57	67	46	36	38	40	44	44	36	46	39	53	58	53	.....	48.0
	Minimum.....	32	29	26	19	29	32	38	37	28	22	28	23	29	21	16	22	33	24	29	17	25	29	25	18	22	19	22	35	26	23	.....	25.9
Uniontown.....	Maximum.....	54	50	48	50	41	46	52	51	50	76	65	56	49	56	62	64	66	60	57	50	43	40	42	50	43	47	45	51	56	45	.....	52.2
	Minimum.....	36	35	33	29	33	32	33	42	27	33	33	25	28	35	34	40	43	40	49	37	34	36	35	31	31	25	20	26	24	23	.....	33.1
Vandergrift*.....	Maximum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Minimum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warren.....	Maximum.....	51	46	35	46	37	41	55	44	49	69	50	38	39	59	63	62	61	49	38	42	37	45	45	38	45	39	51	52	51	.....	47.6	
	Minimum.....	38	32	21	17	32	33	29	33	31	30	32	27	31	27	21	25	31	28	32	23	29	32	30	28	23	14	19	31	25	23	.....	27.6
Waynesburg.....	Maximum.....	52	47	44	50	42	44	50	49	50	74	68	53	48	55	61	63	65	58	57	49	47	43	41	48	43	48	47	51	57	51	.....	51.8
	Minimum.....	38	34	25	27	30	31	28	37	24	35	33	23	25	34	28	38	42	38	47	36	34	37	37	34	21	21	19	22	20	30	.....	30.9
Wellsboro.....	Maximum.....	48	45	38	43	36	43	49	45	38	60	55	46	42	33	52	61	55	61	43	32	38	38	37	40	33	40	38	48	50	48	.....	44.5
	Minimum.....	31	25	21	11	32	30	36	35	28	25	33	21	28	17	15	26	35	26	32	18	23	27	26	17	23	15	21	24	20	22	.....	24.8
West Chester.....	Maximum.....	56	56	50	50	43	51	57	58	51	61	55	51	47	45	53	68	63	71	58	47	38	39	47	44	37	48	55	55	55	51	.....	52.0
	Minimum.....	33	39	32	27	38	36	33	44	35	30	41	27	31	30	25	31	39	37	46	29	32	32	32	27	31	29	31	32	32	36	.....	33.2
Wilkes-Barre.....	Maximum.....	52	52	43	50	40	48	52	51	43	62	53	48	39	39	50	64	55	63	51	38	46	42	46	45	38	46	44	53	51	51	.....	48.2
	Minimum.....	33	30	26	22	33	35	37	39	29	25	37	24	31	24	19	25	36	27	35	22	29	33	28	20	28	23	22	24	28	30	.....	28.8
Williamsport.....	Maximum.....	49	50	45	42	42	45	50	50	46	55	57	56	45	45	34	64	60	63	55	41	36	36	38	42	38	40	51	47	50	50	.....	47.4
	Minimum.....	41	29	25	21	34	36	37	38	33	26	39	24	33	29	20	22	41	27	41	23	28	30	28	21	22	22	27	28	28	27	.....	29.0
Williamstown.....	Maximum.....	48	45	56	52	48	45	53	49	47	61	63	67	54	41	54	65	63	63	68	60	35	38	45	44	42	50	49	52	54	53	.....	52.1
	Minimum.....	33	31	28	23	30	32	33	36	31	33	28	31	31	25	28	41	44	46	30	24	26	28	28	23	26	24	31	30	30	37	.....	30.6
York.....	Maximum.....	56	54	45	45	44	49	55	56	49	64	58	52	46	47	57	65	65	68	58	49	39	39	46	44	40	46	52	56	54	49	.....	51.6
	Minimum.....	32	34	27	22	37	30	32	41	32	29	40	27	27	34	24	27	35	32	44	33	33	33	34	21	21	21	24	24	23	31	.....	30.1

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. *, †, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	30.23	30.64	3	29.75	7	8.4	26	s.	10	77	69	75	32
Harrisburg.....	30.22	30.56	4	29.77	1	8.1	28	sw.	10	70	45	57	64
Philadelphia.....	30.19	30.54	4	29.70	1	13.7	35	ne.	5	66	48	52	65
Pittsburgh.....	30.25	30.58	3	29.81	1	10.7	43	sw.	10	78	52	62	49
Reading.....	30.21	30.56	4	29.84	5	11.5	38	nw.	6	57	40	45	57
Scranton.....	30.21	30.56	4	29.83	11	6.8	30	nw.	9	72	...	64	55

* For any five-minute period.

† Corrected to true velocities

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.....	Delaware	3.4	4.8	2	2.4	27	18
Easton.....	Delaware	2.6	5.0	2	1.2	28	22
Lehighton.....	Lehigh	2.7	3.7	1	2.1	28	9
Wilkes-Barre.....	Susquehanna	3.0	4.5	3	2.0	30	22
Williamsport.....	Susquehanna	1.2	2.5	1	0.4	29	20
Harrisburg.....	Susquehanna	3.6	4.1	3	3.2	30	18
Greensboro.....	Monongahela	10.7	11.1	10	10.4	30	30
West Newton.....	Youghiogheny	0.4	1.1	10	0.0	19	20
Lock No. 4.....	Monongahela	11.2	12.0	11	10.8	19	30
Pittsburgh.....	Ohio	16.8*	12	16.5*	3	25	25
Midland.....	Ohio	16.0*	3	9.2*	20	30	30

* Pool stage.

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

G. S. BLISS.

PHILADELPHIA, PA.

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GENERAL SUMMARY.

Like November, the month was again deficient in precipitation, the December average being about 73 percent of normal, and the combined November-December precipitation totaling but 3.21 inches, which is slightly more than half the normal for those two months. The greatest deficiency occurred in the extreme southeastern counties and also in the greater portion of Central Pennsylvania, while amounts slightly above the average for December were recorded in the northwestern portion of the State. Snowfall was also subnormal with the heaviest falls occurring in Somerset County. Several stations in the northeastern section reported less than two inches for the entire month. Precipitation was quite evenly distributed during the month, but the snowfall occurred mostly during the last week, and the ground was well covered in western sections at the close of the month, although there was little snow-cover elsewhere. The continuation of subnormal precipitation during December served to prolong a drought condition that was becoming serious in November, particularly in central and eastern Pennsylvania, and winter grains in those sections were beginning to suffer. Temperatures during the month averaged well above the December normal, with no unusual extremes reported. The first third of the month averaged about normal, with abnormally mild conditions prevailing from the 10th to the 20th, and maxima in the sixties were recorded at many places on the 10th and again on the 19th. A reaction to colder set in during the last week, however, and the month closed moderately cold, with greatest deficiencies in western sections. Sub-zero temperatures were recorded at a few places on the 28th and 31st, mostly in northeastern counties, but there were none prior to the 28th. The month as a whole was favorable for outdoor work until the last week, and highways were in good condition generally until Christmas Day, after which they were icy and dangerous in many sections of the State. No unusually destructive storms occurred during the month.

F. H. A.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 94 stations, was 33.9°, which is 2.6° above the 52-year normal for December. The highest monthly mean was 39.6° at Marcus Hook, and the lowest was 27.3° at Montrose.

The highest during the month was 68° at Unity Reservoir on the 18th and at Derry on the 19th, and the lowest was -8° at Gouldsboro on the 28th. The greatest daily range in temperature was 47° at Unity Reservoir on the 9th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 175 stations, was 2.24 inches, which is 0.84 inch less than the 52-year normal for December. The greatest monthly amount was 4.47 inches at Kane Forest Station, and least was 0.93 inch at Philadelphia-Pt. Breeze. The greatest amount recorded in any 24 consecutive hours was 1.64 inches at Graterford on the 20th.

The average snowfall for the State was 6.0 inches, which is 1.9 inches less than the 52-year average. The greatest total snowfall for the month was 18.2 inches at Somerset. The greatest 24-hour snowfall was 11.5 inches at Lycippus on the 27th.

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	32.5	62	-10	3.14	5.2	9	8	8	15
1889.....	39.6	73	0	2.77	0.9	12	11	9	11
1890.....	27.2	59	-11	3.97	29.4	12	7	8	16
1891.....	38.4	68	-3	4.09	0.3	10	12	8	11
1892.....	27.8	70	-13	1.69	5.7	9	7	9	15
1893.....	32.2	70	-7	3.06	9.4	12	6	11	14
1894.....	32.4	66	-28	3.95	11.9	10	10	9	12
1895.....	34.2	70	-10	3.22	2.3	7	10	9	12
1896.....	30.6	67	-13	1.20	5.4	6	10	9	12
1897.....	33.0	73	-6	3.95	9.6	12	6	8	17
1898.....	29.8	68	-11	2.98	8.7	10	10	8	13
1899.....	31.5	73	-11	3.04	4.4	10	10	11	11
1900.....	31.2	65	-2	2.08	3.9	7	8	9	14
1901.....	29.1	77	-18	5.91	7.6	11	7	9	15
1902.....	28.4	68	-12	5.54	17.3	14	7	7	17
1903.....	25.4	60	-14	2.66	13.2	9	8	9	14
1904.....	25.8	71	-19	2.48	14.4	11	7	7	17
1905.....	33.6	65	-5	3.57	2.2	8	10	7	14
1906.....	30.8	67	-14	3.97	7.6	14	5	5	21
1907.....	33.2	68	-8	4.30	9.8	12	7	8	16
1908.....	32.0	74	-2	2.86	9.4	10	9	8	14
1909.....	27.0	71	-10	3.39	12.7	8	9	8	14
1910.....	24.4	68	-14	2.65	16.0	12	8	6	17
1911.....	36.3	70	5	3.27	5.4	13	7	5	19
1912.....	34.4	74	-8	3.27	8.1	9	9	7	15
1913.....	34.2	66	-7	2.63	7.2	8	9	7	15
1914.....	27.3	69	-28	4.63	13.0	14	8	5	18
1915.....	29.4	70	-7	4.06	13.7	12	6	8	17
1916.....	29.7	73	-12	3.07	10.5	12	11	9	11
1917.....	21.5	52	-28	1.78	15.0	8	10	8	13
1918.....	36.6	72	-1	3.38	3.0	11	9	7	15
1919.....	25.3	66	-23	2.61	9.4	11	9	8	14
1920.....	33.4	68	-7	3.28	3.8	10	7	9	15
1921.....	31.6	66	-11	2.59	7.2	10	8	8	15
1922.....	31.5	69	-9	2.75	7.1	10	10	8	13
1923.....	39.6	71	1	4.99	2.4	14	9	7	15
1924.....	39.8	69	-23	2.13	3.6	11	7	7	17
1925.....	30.7	62	-15	1.72	3.8	10	8	7	16
1926.....	27.3	62	-20	2.58	10.0	12	8	7	16
1927.....	32.7	73	-6	4.41	4.5	13	9	6	16
1928.....	24.4	68	-2	1.16	0.9	6	13	7	11
1929.....	32.2	70	-9	2.77	10.0	12	7	6	18
1930.....	30.0	59	-15	2.29	6.8	10	6	7	18
1931.....	38.1	70	-1	2.85	1.1	11	10	6	15
1932.....	33.3	72	-14	2.19	7.4	12	10	6	15
1933.....	31.7	74	-22	2.88	8.7	12	9	7	15
1934.....	30.7	73	-10	2.55	3.0	10	9	8	14
1935.....	26.3	60	-19	2.62	13.5	16	5	7	19
1936.....	34.5	74	-11	4.19	6.3	11	11	6	14
1937.....	29.7	66	-14	2.45	5.7	10	10	5	16
1938.....	32.2	64	-5	2.56	4.7	11	8	7	16
1939.....	33.9	68	-8	2.24	6.0	11	7	6	18
Period	31.3	77	-28	3.08	7.9	10	8	8	15

Climatological Data for December, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation of 1 in or more	Clear	Pt. cloudy		Cloudy	Prevailing direction of wind	
Atlantic Drainage.	Allentown.....	Lehigh.....	254	27	33.1	+1.0	60	10	10	31	30	2.51	-1.00	0.75	1.6	8	14	13	4	nw.	John A. Frick.
	Altoona.....	Blair.....	1,615	52	32.8 ^b	+2.8	61 ^b	7	9 ^b	24	31 ^b	2.18	-0.56	0.67	6.6	14	12	8	11	e.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	350	19	35.8	+1.5	66	10	12	11	30	1.65	-2.09	0.60	3.0	8	6	9	16	.....	H. L. Balderston.
	Arendtsville.....	Adams.....	700	17	35.3	+2.3	61	10	11	31	31	2.03	-1.19	0.53	6.6	11	14	5	12	nw.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,060	7	35.4	.....	62	7	15	24	35	2.58	.....	0.95	9.5	8	11	3	17	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	53	35.8	+2.2	60	10	14	27	26	2.58	-0.70	1.00	2.0	10	8	2	21	nw.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	13	33.6	.....	56	7	11	15	32	2.15	.....	0.90	4.5	11	14	3	14	nw.	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	70	35.8	+4.0	60	10 ¹	12	28	35	2.01	-1.09	0.74	5.5	7	13	1	17	nw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	42	36.7	+3.5	62	18	17	27	33	2.09	-0.87	0.65	8.4	7	11	6	14	nw.	William B. Spear.
	Clearfield.....	Clearfield.....	1,120	38	32.0	+2.2	54	7 ¹	8	24	27	2.15	-0.93	0.40	2.4	18	4	3	24	w.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	580	52	33.9	+1.0	63	10	10	31	27	2.28	-1.71	0.66	3.9	9	5	9	17	nw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	560	27	34.2	+2.7	59	10	13	31	30	2.66	-0.81	1.00	3.8	8	9	5	17	w.	Wm. A. Rorer.
	Emporium.....	Cameron.....	1,050	54	34.0	+4.7	57	7	10	24	41	1.73	-1.49	0.58	.....	6	8	0	23	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	380	42	35.8	+3.1	60	10	12	31	30	2.70	-0.42	1.03	5.8	7	9	6	16	n.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,970	46	28.7	.....	48	10	3	27	30	2.98	-0.94	0.73	11.2	11	3	2	26	w.	Andrew B. Evans.
	George School.....	Bucks.....	130	33	36.1	+1.4	62	10	13	31	31	1.61	-1.96	0.47	4.5	9	10	11	10	nw.	Prof. N. W. Swayne.
	Gottsburg.....	Adams.....	553	66	36.8	+4.2	65	10	13	28	32	2.00	-1.16	0.73	7.0	10	13	3	15	e.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	840	35	32.1	+2.6	53	9	11	12	32	3.17	-0.55	1.10	11.0	11	8	6	17	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,875	24	37.2	.....	.....	.....	8	28	.....	2.81	-0.51	1.00	12.5	14	4	10	17	nw.	Steward W. Eilenberger.
	Hanover.....	York.....	600	35	37.2	+2.5	64	10	15	28	27	2.24	-0.81	0.99	5.0	9	9	5	17	w.	Thomas Y. Cooper.
	Harrisburg.....	Dauphin.....	337	70	35.8	+3.1	62	10	12	31	31	1.90	-1.12	0.78	5.3	9	4	8	19	s.	U. S. Weather Bureau.
	Hawley.....	Wayne.....	900	21	30.0	+1.4	50	10	12	28	35	2.07	-1.00	0.75	7.2	12	9	6	16	w.	Mrs. Della M. Pennell.
	Holtwood.....	Lancaster.....	200	24	36.6	+2.0	65	10	12	31	32	2.28	-0.40	0.53	6.0	9	8	9	14	nw.	H. W. Lowy, C. E.
	Huntingdon.....	Huntingdon.....	650	52	34.4	+1.7	65	7	11	12	41	1.50	-1.42	0.61	5.5	7	7	4	20	nw.	Prof. Paul R. Yoder.
	Kyertown.....	Clearfield.....	1,694	10	30.7	+1.7	57	7	6	24	28	1.39	-0.90	0.44	3.5	15	1	7	23	nw.	U. S. Weather Bureau.
	Lancaster.....	Lancaster.....	255	62	34.8	+1.7	64	10	6	31	37	2.36	-0.83	0.83	8.0	11	14	5	12	nw.	Supt. of Water Works
Lawrenceville.....	Tioga.....	1,000	42	31.0	+2.3	58	7	6	28	32	2.07	+0.09	0.90	2.5	7	7	1	23	w.	C. P. Darling.	
Lebanon.....	Lebanon.....	469	56	34.0	+1.8	60	10	14	28	31	2.79	-0.55	0.63	4.2	9	14	4	13	w.	Lebanon Valley Gas	
Lewistown.....	Mifflin.....	500	1	36.7	.....	63	7	15	27	35	1.05	.....	0.62	4.5	7	6	2	23	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	580	49	35.2	+3.9	58	7 ¹	14	12	33	1.31	-1.54	0.71	0.5	8	1	11	19	ne.	Joseph Beaver.	
Marcus Hook.....	Delaware.....	50	13	39.6	+0.8	64	9	17	26	25	1.60	-1.12	0.60	1.8	7	16	3	12	sw.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,620	34	27.3	+0.8	45	21	4	28	30	2.65	+0.08	0.84	8.5	15	3	9	19	nw.	Phillip F. Chamberlain.	
Mt. Pocono.....	Monroe.....	1,720	33	28.4	+2.6	50	17	3	28	34	3.61	+0.35	1.50	13.0	12	12	1	18	nw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	1,045	27	29.3 ^a	+1.1	52 ^b	19	2	31	31 ^b	1.91	-1.12	0.98	3.0	8	12	10	9	n.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	60	50	33.4	+1.2	63	10	5	31	33	1.63	-1.89	0.43	3.5	10	14	5	12	w.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	1	33.8	.....	58	8 ¹	11	28	35	1.96	.....	0.97	5.0	8	4	13	14	w.	J. Earl Smealier.	
Palmerton.....	Carbon.....	398	21	33.4	+1.8	55	10	14	27	33	2.87	-0.04	1.45	4.0	7	1	3	27	sw.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	68	38.1	+1.8	63	10	17	27	30	1.18	-2.25	0.32	2.9	8	6	9	16	nw.	U. S. Weather Bureau	
Phila. Navy Yard.....	Philadelphia.....	20	23	38.4	+2.6	63	10	18	27	26	1.27	-2.17	0.33	3.1	9	12	4	15	w.	Navy Aerological Office	
Phoenixville.....	Chester.....	106	29	36.1	+2.5	65	10	9	31	32	2.35	-1.34	0.78	3.9	9	11	15	5	w.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	407	1	35.1	+3.1	56	10	13	27	32	3.44	-1.07	1.53	4.0	8	13	4	14	n.	E. E. Rarick.	
Quakertown.....	Bucks.....	496	54	34.2	+2.8	61	10	12	27	30	2.16	-1.80	0.78	2.0	8	7	9	15	nw.	John E. Benner.	
Reading.....	Berks.....	273	69	36.6	+4.4	62	10	15	27	28	2.70	-0.86	0.88	6.5	9	3	11	17	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	45	31.6	+0.9	53	7	5	28	33	2.58	-0.44	1.00	8.7	12	3	10	18	nw.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	455	49	34.8	+3.1	59	11	13	30	38	2.02	-0.99	1.00	1.7	9	7	9	15	w.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	43	37.2	+1.9	64	10	16	27	29	1.45	-2.08	0.48	3.5	10	6	6	19	nw.	W. S. Guiles.	
Shippensburg.....	Cumberland.....	660	6	36.2	.....	60	8 ¹	11	27	26	2.35	.....	1.12	6.5	8	9	4	18	w.	State Teachers College	
State College.....	Center.....	1,217	55	33.8	+3.9	59	7	11	24	29	1.52	-1.15	0.55	4.7	10	5	8	18	w.	C. A. Kern.	
Stroudsburg.....	Monroe.....	500	25	34.2	+3.6	51	3 ¹	15	24	20	2.65	-0.71	1.40	1.0	6	5	14	12	w.	State Teachers College	
Towanda.....	Bradford.....	754	45	31.6	+2.6	54	7	0	28	31	1.96	-0.23	0.94	1.7	13	7	12	12	nw.	Mrs. M. Ordella Parks.	
Wellsville.....	Tioga.....	1,419	69	30.4	+2.5	55	7	1	28	27	1.73	-0.41	0.80	1.4	9	13	9	9	n.	George W. Hill.	
West Chester.....	Chester.....	455	90	35.6	+2.3	66	10	13	27	28	2.09	-1.71	0.71	3.8	9	12	9	10	w.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	1	32.0	.....	54	7	4	15	32	2.33	.....	0.98	5.7	13	.....	.....	.....	.....	U. S. Airways Station.	
Williamsport.....	Lycoming.....	521	53	33.4	+2.6	56	7 ¹	11	12	28	1.62	-1.27	0.48	1.0	9	11	4	16	w.	Mrs. Ralph F. Keller.	
Williamstown.....	Dauphin.....	1,275	24	32.8	+1.4	57	17	9	27	28	2.22	-0.65	0.91	5.5	7	8	4	19	nw.	Susquehanna Collieries Co.	
York.....	York.....	400	51	35.3	+2.0	62	10	6	28	31	2.46	-0.47	0.80	7.0	10	13	5	13	w.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,173	49	30.7	+2.6	60 ^a	19	8	24	37 ^a	3.22	+0.20	1.12	5.5	19	3	2	26	.....	Frank S. Fawcett.
	Butler.....	Butler.....	1,077	26	35.2	+3.8	65	19	10	25	33	2.00	-1.01	0.70	5.5	11	7	10	14	w.	William C. Faust.
	Chambersville.....	Indiana.....	1,047	38	34.0	+2.9	65	19	11	12	35	2.38	-0.95	0.87	6.7	18	5	2	24	w.	John E. Lewis.
	Clairton.....	Allegheny.....	1,020	7	36.2	.....	64	19 ¹	12	31	32	1.44	-2.08	0.31	5.2	14	7	5	19	s.	Carnegie-Illinois Steel Corp
	Claysville.....	Washington.....	1,150	34	36.6	+3.8	65	19	15	31	28	1.89	-1.07	0.52	8.5	16	7	2	22	s.	J. L. Melvin.
	Corry.....	Erie.....	1,430	26	30.8	+2.3	57	19	7	26	31	2.95	-0.67	0.74	8.6	9	11	4	16	n.	Ass'd Gas & Electric Co.</

Daily Precipitation for December, 1939

Stations	Drainage Basin	Day of month																															Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh		.25	.50			.01		T.			.32			.35						.28	.72	T.	T.			T.				.08	T.	2.40	
Altoona	Juniata	.11		.27	.06	.04	.14				.34	.14		.16							.67	.08				.04		.06	.03		.04		2.23	
Ansonia ²	W. Br. Susq.		.05	.95	.04		T.		T.			.14	T.		.05		.03				.24	.22		.04	.02		.01						1.80	
Ardmore ³	Lower Del.		.21	.64							.06			.48				.02			.60							.12					1.65	
Arendtsville ²	Lower Susq.	T.	.17	.06					.01		.21			.15	T.						.53	.27	.06					.31	.11	T.	.12		2.00	
Baker's Summit	Juniata	.04	.05	.22						.15		.10			.11						.43	.29						.33		.64	.05		1.83	
Bald Eagle L.	Middle Susq.	.10	.16	.07		.02	.04				.23				.06						.52							.06	.05				1.31	
Bedford ²	Juniata	T.	.51				T.	.05	.09		.18				T.						.55	.25	T.					.50	.45				2.58	
Bellefonte	W. Br. Susq.	.15	.03	.11	T.	T.	T.	.02	T.		.08	.13		.02	T.					T.	.50	T.	T.				T.	T.	.03	T.	.03	.02	T.	1.77
Berwindale ¹	W. Br. Susq.	.10	.17	.10		.07		.04			.28		.19								.58								.09					1.62
Bethlehem	Lehigh		.34	.40			.01		T.		.27		.25	.15							1.00		.04					T.	.01			.11		2.58
Bloomsburg	Susquehanna	.10	.17	.32			.02	.03	T.		.24		.26								.90	T.	.01				.02	T.		.05			T.	2.15
Blossersville	Lower Susq.	.15	.15								.15			.15							1.05							.34			T.		1.99	
Buffalo Mills ²	Potomac		.19				.09				.10										.37	.23						.38	.33		.06		1.75	
Carlisle	Lower Susq.	.15	.14	.06			T.		T.		.32		.20								.74	T.						.40			T.		2.01	
Carter Camp	W. Br. Susq.	.06	.19	.63				.11	.08		.15	.04		.07	.02						.49	.02	.12									.03	2.01	
Center Hall	Susquehanna		.02				.05		.02		.12	.06		.11							.68							.34					1.40	
Chambersburg ²	Potomac	.17	.07								.20				.68						.65	.30	.02					.28	.26		.06	T.	2.09	
Clearfield ²	W. Br. Susq.	.18	.12	.10	T.		.05	.06	.09		.21	.36		.07	.11	T.	T.	.01	.02	T.	.40	.17	.01	T.			T.	T.	.14	.02	T.	.03	2.15	
Coatesville	Lower Del.	.03	.64	.07			.05				.09			.40							.66	T.						.20			.14		2.28	
Colebrook	Lower Susq.	.02	.52	.10			T.		T.		.37	T.		.29							1.00	T.						.26	T.	T.	.10	T.	2.66	
Conshohocken	Schuylkill																																	
Covington ²	N. Br. Susq.		.09	.23	.23	.15	.10		.02		.05				.10						.35	.30	.03	.05			.03				.01	.02	1.75	
Doylestown	Lower Del.		.37	.09			.02				.08		.29	.15							.66	T.						.18				.09		1.93
Driftwood ¹	W. Br. Susq.		.35	.09				.11			.31		.12								.44								.05				1.47	
Du Bois	W. Br. Susq.	.02	.10	.27	T.	.05		.04			.06	.22	.24	.06		T.	T.				.70	.09	.02				T.	.03	.02	.01	.03	.02	1.98	
East Waterford ²	Middle Susq.		.10	.02	.01		.01				.12		.08								.50	.35	.07					.41			.06		1.73	
Emporium	W. Br. Susq.		.15	*	.50						.33			.17							.58												1.73	
English Center ¹	W. Br. Susq.					.15							.08								.68												\$	
Ephrata	Lower Susq.	T.	.85	.07				T.		T.	.10	.29									1.03	T.						.26			.10		2.70	
Fredericksburg ²	Schuylkill		.34	.35	.01		.02		T.		.22		.40								.30	.62		T.	T.	T.			.04		.06	T.	2.36	
Freeland ²	Lehigh	.07	.70	.03		T.					.23		.47								.50	.67	.06	T.	T.	T.		.05		.10	T.	2.98		
Galeton	N. Br. Susq.	.02	.15	.80	T.	.04			.06		.18	.02	.06	.02		T.					.40	.05	.33	T.			.08	T.		.03	T.	2.24		
George School	Lower Del.		.18	.17			.02				.01		.30	.12		T.	T.				.17	T.				T.	T.	.22			.12		1.61	
Gettysburg	Potomac	.05	.27	.07			.01		.01		.10		.13								.73	T.						.53	T.		.10		2.00	
Girardville ²	Lower Susq.	.11	.22	.21			T.				.21		.34								.36	.65	T.	.10			.05	T.		.15	.04	.01	2.45	
Gordon	Lower Susq.		.14	.45							.35		.22	.11							1.10	.10	.20					.10		.30	.10		3.17	
Gouldsboro ²	Lehigh	.08	.48	.15	.12		.08	T.	T.		.12	T.	.37	.01							1.00	T.	.09	T.	T.	.14	T.	T.		.07	.06	.04	2.81	
Graterford	Schuylkill		.42	.33			.11				.03			.08							1.64	T.	T.					.09					2.70	
Hanover	Lower Susq.	.03	.29	.03			T.		T.		.13		.35	T.							.99	T.						.29	.01		.12	T.	2.24	
Harrisburg ²	Lower Susq.	.15	.17	.01			T.	T.		.29	T.		.26	T.							.78	T.						.15	T.	.07		.02	T.	1.90
Hawley ²	Upper Del.		.02	.32	.01	T.	T.	.01	.04	T.	.17		.32								.22	.75	.03	T.	T.	T.	.03	T.			.15	T.	2.07	
Holl sterville ²	Upper Del.			.53	.25	T.	T.				.19		.35								.26	.73	.04	T.				.05				.07	T.	2.47
Holtwood ²	Lower Susq.	T.	.16	.36	T.		T.		.01		.11		.53								.40	.35	T.						.25		.11		2.28	
Huntingdon	Juniata	.07	.14				.06				.07			T.							.61	T.						.50	T.		.05		1.50	
Huntsdale ¹	Lower Susq.	.10	.10								.14		.19								.83							.24		.67	.03		1.70	
Hyndman ²	Potomac	T.	.07	.15		T.	.18				.14		T.								.30	.12	T.					.45	.18		T.		1.59	
Kylestown ²	W. Br. Susq.	.10	.08	.09	T.	.02	T.	.03			.18	T.	.11	.01	T.	T.	T.	T.	T.	T.	.44	.15	.05	T.		T.	T.	.03	.07	T.	.01	.02	1.39	
Lakeville ²	Upper Del.			.46	.05			.08			.18	T.	.25	T.	.01	T.					.20	.78	.05	T.	.02	T.		T.		.17	.01		2.25	
Lancaster	Lower Susq.		.59	.05		.02					.10		.33	.01							.83	.02						.27	T.		.11		2.36	
Lansford ²	Lehigh	.18	.75	.05		T.	T.	.01			.43		.27								.68	.76	.06	.05			.07		T.		.08		3.39	
Lawrenceville	N. Br. Susq.		.20	.90			.10		.10	T.		.10									.57		T.	T.		.10			.17	T.		.06	T.	2.07
Lebanon ²	Lower Susq.	.28		.22	.06		T.	T.	T.		.54		.35								.63	.48	T.	T.							.05	T.	2.79	
Lehighton ²	Lehigh		.55	.65			T.	T.	T.		.40		.48</																					

Daily Precipitation for December, 1939—Continued from page 69

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage (continued)																																	
Sellersville ¹	Lower Del.	.06	.54								.10			.34							.80							.04		.01	.04		2.00
Shade Gap ¹	Middle Susq.	*	*	*	.10						.06			.04							.06	.73						.31		.08		1.38	
Shawmont ¹	Schuylkill		.25	.12			.01		.02		.06			.27	.10							.48	T.	T.				.11		.03		1.45	
Shippensburg ¹	Lower Susq.	.03	.12	T.	T.						.15			.08	T.							1.12	.25				.50	T.	.10	T.		2.35	
State College ¹	W. Br. Susq.	.08	.04	.01		T.		.23	.01		.06	T.		T.	.12							.55	T.	T.				.31	T.	.11	T.	1.52	
Stroudsburg ²	Upper Del.		.45								.30			.40							*	1.40										1.0	
Sunbury ²	Lower Susq.	.20	.10						T.		.19	T.		.27							.47	.54	T.	.04					.05		.05	.03	2.67
Susquehanna ²	N. Br. Susq.	.03	.57	.25	T.	T.		.03	T.		.22			.28							.09	.78	.03	.01	.01		.04		.09	T.		2.07	
Towanda ²	N. Br. Susq.	.04	.09	.42	.01	T.		.02	.03		.17	.05	T.	.14	.01	T.					.94	T.	.02	T.	T.	.01				T.	.09	T.	2.43
Weikert ²	Lower Susq.	.28									.10			.10							1.28								T.	T.		1.96	
Weissport ²	N. Br. Susq.	.05	.80	.16		T.		T.			T.			.15							.19	.30	.03				T.	.01			.05	.05	2.00
Wernersville ² [nr]	Schuylkill	.27	.37								.42			.37							.17	.78						.08				.04	1.73
West Chester ²	Lower Del.	.03	.23	.23			.05				.08			.55							.71	T.						.13		.08		.04	2.46
West Grove ²	Lower Del.	.22	.18	.05		.05		T.			.07			.47							.16	.56							.12		.11		1.99
Wilkes-Barre ² *	N. Br. Susq.	.07	.46	.15	T.	T.		.03		.05	.06			.35	T.						.98	.02	.03	T.	T.	.02	T.		.10	.01		2.33	
Wilkes-Barre ²	N. Br. Susq.	.11	.41	.04	T.	.02		.02			.12			.32							.05	.75	.05		T.	T.			.11	T.		2.00	
Williamsport ²	W. Br. Susq.	.07	.19	.06				T.			.23			.08							.43	.43	T.	.07					.01	T.		1.62	
Williamstown ²	Lower Susq.	.20	.29			T.					.43			.16	T.						.91	T.						.15		.08		2.22	
York ²	Lower Susq.	.02	.49	.05				.02			.18			.34							.80	.02						.42		.12		2.46	
York Haven ²	Lower Susq.	.28	.24	.04							.18			.33							.48	.39						.28		.15		2.37	
Zionsville ² (near)	Schuylkill	.15	.61	.14							.31			.45							.48	.90						.10		.10		2.76	
Frenton, N. J. ¹	Lower Del.	.01	.21	.05			.02	T.	T.		.06	T.		.32				.01	T.		.33	T.	.05			T.	.16		.05	.22		1.49	
Ohio Drainage																																	
Acmetonia ²	Allegheny	.08	.30	.04	T.	.09		.02			.17			.12	.14	.03	T.				.67	.07	.07				.02	.11	T.	.02	.02	1.97	
Beaver Falls ²	Beaver	.14	.32	.09	T.	.08		.03			.08			.19	.11	T.	T.				.36	.05	T.					.20	T.	T.		1.68	
Blairsville ²	Allegheny	.15	.06	.26	.07	.21		.06			.32			.12	.22	.03					.63	.19	.22	.04			.02	.04	.54	.06	.08	.10	3.42
Bradford ²	Allegheny	T.	.17	.30	.10			.23			.33	.16		.28	.17						.95	T.	.26				.09			.02		4.06	
Brookville ²	Allegheny	T.	.13	.68	.15	.02	.03	.05			.30			.16	.15	.02	.01				1.12	.15	.05				T.		.07	.01	.01	.07	3.22
Buckstown ¹	Allegheny	.02	.22	.02		.08	.02	.13	.04		.13	.16		.26	.06						.02	.62	.06		.04			.47	.02	.02		2.39	
Butler ²	Ohio	.12	.40			T.	.10	.04			.14			.20	.12						T.	.70	.05					.10	T.		.03		2.09
Chambersville ²	Allegheny	.03	.10	.37	.16	T.	.07	.01			.18	.03		.19	.08						.87	.07	.01				.07	.05	T.	.05	.03	2.38	
Clarton ²	Monongahela	.02	.20	.05	.02	.12		.03		.09				.13	.03						.31	.12	.01	T.			.29	T.	T.	.02		1.44	
Clarton ²	Allegheny	.23	.34	.16	.05	.04	.01	.05			.22	.03	.14	.22	.04	.04					.06	.94	.10	.06			.01	.10	.08	.03	.05	3.00	
Claysville ²	Ohio	.05	.21	.04	.04	.01	.13	.04		.01	.02			.22	.05						.02	.49	.02	T.			.52	T.		.02		1.89	
Conduent ²	Youghiogheeny	.08	.22	.05		.28	.13			.20			.34	.09							.25	.19	.06	T.			.47	.35		T.	.06	2.77	
Connellsville ²	Monongahela	T.	.17	.14	.03	T.	.22			.01	.02	.17									.53	.07	.01				.61	.08	T.	.01	2.07		
Coraopolis ²	Ohio	T.	.14	.30	.05	T.	.08		.04		.18			.16	.10	T.					.62	.08	.01				.03	.02		T.	1.82		
Corry ²	Allegheny	.62	.74				.16			.60				.35							.15	.05	.14							.14	2.95		
Coudersport ²	Allegheny	.02	.11	.85	.05	.01	.45		.27	.06			.12	.05							.48	T.	.42				.02			.01	.03	3.02	
Derry ²	Conemaugh	T.	.15	.12	.11	T.	.12		.04		.16	T.		.26	.09						.56	.09	.02				.40	T.		T.	.05	2.17	
Donora ²	Monongahela	.04	.18	.01	.06	.10		.02	.02		.02			.19	T.						.14	.32	.01				.02			.01	T.	1.62	
Dunlof ²	Allegheny	.06	.27	.11	.04	.04		.15			.20	.03		.17	.14							.74	.06			.02		.24	.04	.02		.03	2.38
Ebensburg ²	Conemaugh	.03	.17	.40	.24		.07		.07		.46	.13		.10	.36						.52	.21	.11				.11	.01		.02	.05	3.06	
Franklin ²	Allegheny	.15	.25	.16	T.		.03		.03		.40			.29	.12						.82		.02					.12		T.	.05	2.43	
Greensburg ²	Monongahela	.09	.16	.24	.02	.04	.15		.06		.10			T.	.28	T.					.52	.12					.48	.15	T.	T.	.02	2.43	
Greensburg ²	Youghiogheeny	.11	.32	T.	.18	.01	.16	T.	.02		.14	.04		.48	.05	.01	.06				T.	.64	.07	.02			T.	T.	.47	T.	T.	.02	2.82
Greenville ²	Beaver	.14	.42	.10	.13	.06	.07	.05		.30	T.			.35	.18	T.	.01				.02	.20	.05	.05			.05	.05	T.	.03	.04	2.30	
Grove City ²	Beaver		.08	.16	.01	.03	.01				.12			.18	.17						T.	.05	.04	T.			.02	.04	T.	.07	.05	1.03	
Irwin ²	Monongahela	.02	.12	.04	.06	.01	.10	.02		.06	.02			.18	.03	1.00					.50	.06	T.				.31	T.		T.	.02	2.55	
Johnstown ²	Conemaugh	.06	.41	.19	.17	.03	.17	.04	.18		.23	.22		.20	.16						.88	.24	.20				.01	T.	.42	.09	.01	.04	3.17
Kane Forest Sta. ¹	Allegheny	.04	.32	.68	.91	.01	.01	.09	.11	.02	.30	.29	.09	.20	.05		.01				T.	.88	.24	.20			T.	.42	*	.20	.03	.03	2.83
Kegons ²	Youghiogheeny	.17	.29	.16		.03	.24				.18			.34		.02					.40	.20		.08	.02		T.	.42	*	.20	.03	.03	2.83
Lake Lynn ²	Monongahela	.03	.17	.20	.04	.02	.18	.01			.13			.24							.38	.20	.02					.52	.15	.01		.02	2.32
Lanesville ²	Beaver	.22	.35																														

Daily Temperatures for December, 1939

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum... 42	47	42	34	34	36	61	49	56	53	48	38	34	...	...	50	52	55	51	51	31	30	31	27	28	31	32	22	29	28	26	39.9 ^a
	Minimum... 29	33	31	30	29	30	31	26	47	25	15	30	...	...	...	29	42	37	33	30	23	22	20	9	16	26	13	12	22	19	10	25.7 ^b
Bedford	Maximum... 45	53	45	38	37	38	62	58	60	58	54	42	41	10	36	48	55	59	60	55	36	31	31	33	31	31	31	21	31	30	30	42.8
	Minimum... 29	36	37	35	32	34	32	35	25	61	31	16	29	30	18	30	45	30	28	35	26	26	23	15	20	29	17	11	22	22	16	28.1
Bethlehem	Maximum... 52	47	48	43	40	39	50	48	47	60	57	38	35	36	38	40	51	53	49	44	43	34	36	33	36	36	35	34	37	3	31	42.1
	Minimum... 31	40	41	38	35	33	31	37	30	40	31	18	30	31	22	29	31	39	35	37	30	27	26	18	22	25	14	15	25	29	22	23.5
Bloomsburg	Maximum... 45	50	47	42	37	37	56	54	54	53	45	33	33	49	37	41	48	52	51	45	40	32	38	33	35	46	30	27	32	32	29	41.5
	Minimum... 22	40	39	37	33	32	33	36	22	33	27	14	24	24	11	25	25	35	29	36	29	29	22	15	19	21	12	12	23	23	11	25.7
Brookville	Maximum... 45	50	41	35	34	36	56	37	51	50	32	48	38	36	33	50	45	52	60	40	35	30	33	27	29	30	26	27	27	26	...	38.6 ^a
	Minimum... 24	34	35	32	30	30	27	33	19	21	30	11	12	29	16	14	29	35	29	35	21	23	12	8	8	26	17	18	18	21	11	22.8
Butler	Maximum... 47	51	52	36	36	39	58	55	56	56	52	45	42	38	38	55	54	58	65	62	35	30	33	32	32	31	30	27	28	28	26	42.9
	Minimum... 39	33	34	32	31	32	32	33	23	40	31	15	37	28	14	31	35	35	37	35	24	25	15	28	10	26	18	18	23	23	10	27.4
Carlisle	Maximum... 47	47	45	42	41	43	52	59	58	60	55	42	35	38	41	41	60	58	52	45	43	32	42	32	39	40	36	35	32	38	32	33.6
	Minimum... 28	36	42	39	39	34	26	37	28	40	35	18	27	32	22	32	25	40	20	40	30	20	25	18	24	30	16	12	22	21	13	25.1
Chambersburg	Maximum... 42	48	45	15	40	42	60	56	61	52	41	40	40	40	40	41	61	62	54	44	39	36	42	32	34	39	32	26	30	32	29	43.4
	Minimum... 27	40	40	38	35	34	31	39	10	42	33	22	30	30	23	30	28	38	34	35	30	30	28	20	32	17	17	23	24	20	30	30.0
Chambersville	Maximum... 45	51	49	35	34	35	58	42	51	51	49	16	53	38	34	53	51	58	65	61	33	31	32	30	29	32	34	27	29	28	32	42.0
	Minimum... 29	42	33	31	30	30	34	30	22	40	27	11	34	25	16	29	40	36	37	32	22	22	14	11	17	28	16	16	26	18	11	20.1
Claysville	Maximum... 51	53	43	35	38	41	58	56	55	55	45	52	55	36	35	53	51	60	65	59	35	35	35	30	32	33	30	32	30	27	27	43.5
	Minimum... 40	43	33	33	32	36	38	33	28	37	28	24	36	24	23	43	45	35	45	32	26	24	18	20	18	22	24	28	25	22	15	30.0
Clearfield	Maximum... 43	48	47	36	33	35	54	51	48	48	38	41	38	37	50	45	54	50	50	34	32	30	30	31	31	31	21	29	29	29	21	39.3
	Minimum... 34	38	33	31	29	29	27	31	25	37	27	11	29	27	12	27	32	36	32	23	23	18	17	27	14	12	20	20	20	10	24.7	
Coatesville	Maximum... 45	50	48	42	40	40	48	53	48	63	50	36	41	35	40	54	53	43	52	37	36	37	31	35	38	25	27	34	33	29	41.3	
	Minimum... 29	38	35	32	29	28	35	25	36	38	17	24	30	22	25	30	34	28	33	28	28	23	17	20	25	15	15	22	17	10	26.5	
Corry	Maximum... 45	48	43	40	34	35	54	40	51	48	46	44	49	34	27	44	43	55	57	53	30	30	33	31	32	32	27	27	27	26	23	38.7
	Minimum... 35	39	34	26	25	31	21	36	38	19	13	30	21	8	21	35	32	33	26	21	20	25	8	17	7	10	8	19	17	7	2	22.9
Connersport	Maximum... 42	47	15	38	33	35	56	50	48	46	43	34	37	35	38	46	45	47	51	49	34	28	32	33	34	31	19	23	29	26	23	35.0
	Minimum... 24	36	35	28	26	28	32	27	15	37	20	8	28	23	18	26	30	38	26	28	18	18	8	10	15	3	4	1	20	19	8	21.2
Donora*	Maximum... 55	57	43	37	37	39	61	46	59	59	48	50	53	35	41	57	53	62	67	51	31	33	37	30	32	34	29	34	31	40	29	43.9
	Minimum... 37	43	36	33	33	36	36	30	29	48	26	22	35	30	27	41	42	37	42	31	25	24	21	19	23	29	24	25	26	26	12	30.6
Ebensburg	Maximum... 41	46	44	39	31	32	51	51	48	48	45	38	41	35	31	47	48	51	54	50	31	24	26	26	26	24	29	26	26	24	37.5	
	Minimum... 29	36	29	27	25	28	29	22	33	24	12	31	23	15	25	31	33	34	31	19	18	16	8	14	23	11	11	22	16	7	23.1	
Emporium	Maximum... 45	51	50	50	34	37	57	56	50	49	51	52	39	38	35	50	42	55	55	53	34	31	37	48	35	32	22	30	30	30	42.2	
	Minimum... 26	40	36	32	30	31	32	32	22	30	30	11	27	30	17	24	29	34	30	33	26	24	10	28	29	11	12	22	23	14	25.8	
Ephrata	Maximum... 44	50	48	43	42	41	52	54	55	60	53	38	37	39	36	42	59	56	45	51	41	37	39	37	39	32	27	35	35	28	42.8	
	Minimum... 26	41	40	35	35	33	32	38	30	30	30	20	28	33	23	31	30	38	33	38	32	31	26	20	22	17	16	17	24	21	12	28.9
Erie*	Maximum... 50	51	43	37	37	39	58	39	54	50	40	53	51	35	40	47	48	54	60	44	32	34	34	32	35	34	20	30	28	28	26	40.0
	Minimum... 42	44	36	33	34	34	36	34	34	40	25	24	35	29	24	39	39	43	29	25	30	25	20	32	32	20	13	13	24	25	12	30.6
Franklin	Maximum... 47	50	40	36	34	37	56	37	54	49	32	48	40	31	39	49	45	54	61	41	39	31	33	26	32	31	29	28	27	26	42	38.8
	Minimum... 28	40	36	31	30	30	33	36	23	26	31	16	17	29	19	19	39	37	34	39	25	25	18	14	15	29	19	17	20	12	26.1	
Freeland	Maximum... 45	44	45	35	33	32	44	47	46	48	46	46	30	32	32	34	33	41	45	42	41	33	26	28	23	27	30	22	25	32	33	35.3
	Minimum... 30	35	35	29	27	27	28	28	22	42	16	9	26	20	12	23	29	33	32	32	24	18	18	10	12	16	3	4	17	18	9	22.1
George School	Maximum... 47	52	55	47	42	41	53	53	49	62	58	41	48	43	40	42	52	54	50	57	45	39	41	32	39	42	32	31	33	36	31	44.7
	Minimum... 27	41	41	33	34	32	38	37	26	37	27	17	26	32	20	28	32	34	34	38	30	29	23	19	20	23	14	16	17	25	13	27.5
Gettysburg	Maximum... 43	47	47	44	42	45	53	52	56	65	61	45	38	38	40	41	62	61	55	47	42	38	41	37	34	41	35	25	33	37	30	44.4
	Minimum... 25	39	41	35	35	33	30	38	29	41	37	20	28	33	22	31	30	37	33	37	30	29	26	19	25	32	17	13	21	23	14	29.1
Gordon	Maximum... 44	47	46	39	37	39	52	52	53	52	47	36	34	35	37	36	47	52	43	43	40	31	34	31	33	34	29	26	34	32	27	39.4
	Minimum... 20	38	36	35	32	30	25	35	21	28	25	11	22	17	13	26	26	32	38	28	26	24	13	18	23	11	11	23	23	14	24.8	
Greensburg	Maximum... 49	47	42	34	36	36	58	54	58	55	51	53	54	36	36	53	53	60	66	60	33	31	33	30	30	31	30	32	31	28	27	42.8
	Minimum... 33	37	22	32	31	32	30	31	21	44	29	19	35	28	20	33	35	41	33	21	21	16	15	17	17	29	20	29	26	23	27.2	
Greenville	Maximum... 41	49	43	4																												

Daily Temperatures for December, 1939—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Port Clinton.....	Maximum.....	54	48	49	43	40	40	49	49	49	56	54	36	36	49	36	38	55	53	53	47	44	34	36	35	36	36	36	29	33	33	31	42.5	
	Minimum.....	22	42	39	37	33	32	30	37	25	29	32	17	32	32	20	28	27	39	29	37	29	27	19	23	25	13	14	23	24	17	27.7		
Quakertown.....	Maximum.....	46	49	50	43	41	38	48	51	45	61	53	38	37	39	34	40	56	51	44	51	42	34	36	33	36	35	33	29	35	32	30	41.6	
	Minimum.....	32	38	39	36	34	31	27	36	36	31	28	16	23	30	20	26	26	37	28	33	29	28	25	18	22	22	12	15	16	26	12	26.8	
Reading*.....	Maximum.....	48	50	49	44	42	42	53	45	51	62	52	38	39	40	33	45	55	55	45	49	39	36	39	30	37	37	25	28	36	32	28	42.3	
	Minimum.....	35	42	40	38	35	33	37	37	33	45	24	22	32	32	26	35	38	42	35	39	30	30	26	20	25	25	15	18	24	26	16	30.8	
Retreat.....	Maximum.....	41	49	48	40	39	39	54	52	50	45	48	31	31	37	33	40	47	47	42	46	40	32	31	29	34	35	31	25	33	33	29	39.1	
	Minimum.....	22	39	38	36	32	31	35	35	23	25	23	11	23	27	10	24	27	35	28	33	29	26	19	16	21	18	10	7	23	23	17	24.7	
Ridgway†.....	Maximum.....	47	49	52	37	33	37	38	59	41	50	48	37	49	39	39	45	48	49	53	61	39	28	31	34	30	31	32	26	28	28	27	40.2	
	Minimum.....	25	39	36	32	29	29	31	30	20	28	29	11	11	29	9	9	31	35	29	35	24	24	11	2	2	26	11	14	15	20	14	22.3	
Scranton*.....	Maximum.....	46	50	47	41	37	37	53	39	48	50	47	33	36	35	33	40	48	46	43	45	35	30	30	23	33	30	14	26	35	32	27	37.7	
	Minimum.....	27	42	39	34	32	32	35	29	26	44	14	12	37	22	16	30	30	33	33	35	30	24	20	17	20	14	7	5	24	26	13	25.5	
Selinsgrove.....	Maximum.....	42	49	46	41	37	40	50	57	54	54	59	51	35	40	36	40	53	55	52	45	39	37	40	34	35	37	30	34	31	32	29	42.5	
	Minimum.....	23	34	38	36	32	32	31	27	24	37	49	16	25	31	19	30	28	32	24	35	32	29	24	16	21	27	14	15	23	13	20	27.0	
Somerset.....	Maximum.....	42	55	40	31	35	33	54	52	51	52	48	54	49	34	34	47	46	58	62	54	30	25	31	27	26	26	25	30	28	25	23	39.7	
	Minimum.....	22	36	18	26	25	30	29	24	40	25	14	32	24	3	29	42	29	27	30	20	19	10	10	14	24	17	16	25	17	10	23.1		
Springs.....	Maximum.....	42	49	37	30	32	34	54	50	53	53	47	50	50	32	34	47	49	55	60	53	29	25	30	25	25	26	23	28	28	24	24	38.6	
	Minimum.....	24	35	27	27	24	30	30	27	27	44	24	15	29	21	4	24	34	29	29	28	18	18	12	11	13	22	15	16	23	16	8	22.7	
State College.....	Maximum.....	44	50	48	40	36	38	59	44	56	55	49	36	41	39	35	50	51	54	52	48	37	33	34	28	33	32	27	24	28	27	22	40.3	
	Minimum.....	33	39	36	34	30	29	31	32	27	40	32	14	31	29	18	30	37	25	25	22	11	21	27	17	13	20	20	20	20	16	24.0		
Stroudsburg†.....	Maximum.....	44	49	51	47	45	44	47	45	46	48	38	44	34	34	38	43	46	51	45	47	44	40	36	35	33	35	31	34	30	33	36	41.1	
	Minimum.....	36	34	38	33	36	34	32	29	31	36	18	27	32	30	31	28	32	34	27	33	40	27	19	15	17	18	15	18	19	16	23	27.4	
Towanda.....	Maximum.....	44	49	46	42	40	39	54	48	52	51	43	31	38	38	38	39	53	46	47	45	38	32	32	28	34	34	19	29	35	34	28	39.5	
	Minimum.....	20	40	36	34	29	30	33	30	21	42	17	11	26	22	8	29	26	29	25	36	29	23	20	17	17	17	7	0	23	24	12	23.6	
Uniontown.....	Maximum.....	55	57	44	35	37	39	62	56	60	60	51	49	54	38	38	56	61	66	62	34	34	37	31	31	32	31	34	32	29	28	44.8		
	Minimum.....	29	42	34	33	31	35	34	33	27	47	31	20	33	30	21	34	46	33	36	34	26	16	18	19	30	25	29	27	23	14	29.5		
Vandergrift*.....	Maximum.....	52	56	47	35	38	38	42	44	49	52	50	47	41	37	37	51	45	60	55	56	42	34	35	27	34	32	30	31	30	33	24	41.5	
	Minimum.....	35	42	35	34	32	33	34	28	25	47	22	18	35	29	20	36	44	37	37	32	26	27	17	15	22	25	19	20	25	24	11	28.6	
Warren.....	Maximum.....	45	50	42	40	34	38	51	37	53	47	47	39	38	34	36	47	44	53	58	50	31	31	33	26	32	32	20	26	29	26	25	38.9	
	Minimum.....	34	39	36	30	29	31	35	32	24	42	20	13	33	25	14	32	34	34	32	30	25	25	16	9	21	19	13	12	24	20	11	25.6	
Waynesburg.....	Maximum.....	53	54	43	35	35	39	59	56	58	57	50	54	55	48	34	55	53	60	66	58	28	34	35	29	31	32	29	32	30	27	27	43.7	
	Minimum.....	30	42	32	32	30	29	37	32	22	50	29	17	32	29	18	32	48	31	37	28	25	23	13	18	19	29	24	24	24	25	23	14	28.2
Wellsboro.....	Maximum.....	42	45	45	40	35	38	55	45	48	49	41	35	39	37	35	43	46	48	51	45	33	29	30	21	32	31	16	23	31	30	26	37.6	
	Minimum.....	23	38	33	32	29	30	34	30	21	35	17	9	30	25	15	28	32	25	33	26	22	16	12	19	16	8	1	22	21	10	23.2		
West Chester.....	Maximum.....	46	51	47	43	40	40	54	49	52	66	55	39	41	41	39	43	54	55	47	44	37	38	40	33	36	40	23	32	34	36	30	43.1	
	Minimum.....	30	40	37	32	33	31	30	37	27	38	30	18	27	32	23	28	32	36	35	38	31	29	24	20	22	22	13	16	24	23	17	28.2	
Wilkes-Barre.....	Maximum.....	44	50	48	41	40	38	54	53	48	50	45	31	34	36	36	40	48	49	46	40	32	33	29	27	35	35	24	26	34	33	29	39.6	
	Minimum.....	23	40	40	37	34	32	30	33	22	36	20	12	25	19	4	21	25	34	30	28	27	25	21	16	18	20	8	6	24	26	14	24.5	
Williamsport.....	Maximum.....	42	45	45	40	38	38	56	56	51	52	49	33	35	37	36	40	50	50	49	17	39	32	34	29	37	36	30	23	28	30	29	39.9	
	Minimum.....	26	40	38	36	33	32	29	34	23	41	26	11	27	30	20	31	29	35	28	36	27	26	25	15	21	24	13	12	23	23	17	26.9	
Williamstown.....	Maximum.....	52	42	46	43	35	36	53	54	43	56	54	35	35	36	37	35	57	51	53	44	39	31	33	28	35	33	31	24	33	33	32	40.7	
	Minimum.....	32	33	34	32	28	28	30	31	26	40	26	12	26	29	18	25	32	36	33	34	23	24	23	12	18	24	9	11	19	19	9	25.0	
York.....	Maximum.....	45	48	48	43	40	42	52	57	52	62	59	38	36	37	38	42	60	56	50	44	39	38	35	35	40	35	25	34	33	27	43.2		
	Minimum.....	25	40	38	33	34	34	29	38	25	33	35	19	28	31	23	31	29	32	29	35	30	31	25	20	21	25	17	6	22	21	10	27.4	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. °, °, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	29.89	30.43	15	29.46	10	10.5	26	sw.	7	78	72	79	21
Harrisburg.....	29.92	30.50	15	29.45	10	9.6	34	nw.	8	72	61	66	26
Philadelphia.....	29.92	30.51	15	29.44	20	13.3	40	nw.	11	73	62	68	42
Pittsburgh.....	29.93	30.47	15	29.53	31	13.1	41	nw.	7	79	84	68	28
Reading.....	29.91	30.52	15	29.44	3	13.2	41	nw.	8	64	57	57	32
Scranton.....	29.88	30.50	15	29.38	3	7.8	32	nw.	7	73	57	69	24

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION,

G. S. BLISS.

PHILADELPHIA, PA.

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ANNUAL SUMMARY, 1939.

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GENERAL SUMMARY.

The year as a whole was moderately warm and dry. January started with mild temperatures and accumulated a large surplus up to the 11th, inclusive. On the 12th a reaction to colder began, and temperatures were almost constantly below the normal to the end of the month. The deficiencies were not quite enough to counterbalance the large surplus, and the month ended with a small excess. The precipitation averaged near normal but with much more than the usual portion occurring as snow, which averaged about 45% above normal. The records for February show fairly large excesses in both temperature and precipitation in all parts of the State. The average daily excess was the greatest for any month of the year. Temperatures were above the normal on 16 to 18 dates, with excess departures of as much as 20 degrees on the 19th and 20th. The coldest period followed immediately and centered on the 23d with temperature deficiencies averaging 15 degrees or more. Precipitation occurred at frequent intervals during the month with greatest amounts generally during the first and last weeks. March came near to being a normal month, having small positive departures in both temperature and precipitation. Short warm and cold periods alternated through the month with no unusually wide departures from the normal. Precipitation departures were generally moderate, excepting a few southeastern counties where the excess was large. The snowfall averaged one-half of the March normal, and, with the exception of four or five northeastern counties, the ground was snow-covered no more than four to six days in any region. April temperatures averaged nearly two degrees below the normal due to unseasonably low temperatures during the first half of the month. The last heavy frost or freezing occurred in most regions from the 14th to the 16th. Vegetation was backward and had not advanced far enough during the first half of the month to suffer much from frosts. The rainfall averaged a little above the April normal, due chiefly to heavy rains in the lower Delaware Basin. At Philadelphia it was a little more than twice the April normal, and the accumulated excess since January 1st was 8.24 inches. The month of May opened with temperatures well below the normal; and on the 1st and 2d, frosts occurred in nearly all parts of the State. They were generally light in the southeastern quarter with no damage of consequence reported. In the western and northern counties temperatures as low as 26 or 28 degrees occurred at many places. The rainfall averaged about 40% of the normal, which made it the driest May of record in Pennsylvania. The month of June was moderately warm and rainy. The excess temperature was fairly general and uniform and accumulated mostly during the second week. The rains were generally above normal in the southern portion of the State,

excepting Dauphin and bordering counties, and were mostly below normal in the northern part of the State. The excess of about one-third of an inch was chiefly due to quite heavy rains in the southwestern counties. Temperatures in July were mostly near the normal with the greatest departures occurring in the southwestern counties. There was no intense heat in any part of the State during the month. The rainfall was considerably below the normal. There was very little rain in the State from the 15th to 26th, inclusive, and a drought condition developed during that 12-day period that was very harmful. Good crops of wheat, rye and barley were harvested late in June and early in July, and the dry period favored threshing from the fields with practically no losses. Pastures became very short before the drought was relieved, and yields of timothy and clover were light. August was a moderately warm month with excess temperatures for the State quite uniform at about three degrees in practically all regions. Temperatures were above the normal on 25 dates at Philadelphia and on 17 dates at Pittsburgh, although the extremes for the State were not unusual. The rainfall averaged a little more than two-thirds of the August normal, and its distribution was very uneven. A coast storm on the 19th and 20th brought drenching rains to the southeastern counties, effectively breaking the drought. However, they were attended by strong winds that beat down a large amount of corn and did serious damage to some other crops. September accumulated a moderate excess in temperature which was common to nearly all parts of the State. The coldest period was generally from the 18th to 22d, inclusive, when frost or light freezing occurred locally in the northern tier of counties and in the mountains. The damage was mostly confined to tender garden plants and was unimportant. The distribution of rainfall for the month was unusual, the greatest amounts being in the northern and south-central counties, while the driest region was the lower Delaware valley. October temperatures averaged near the normal, in fact, slightly above in most regions, but they were not wholly comfortable or favorable. The second week was unseasonably warm, and this was followed by unseasonably low temperatures during the third week, and damaging conditions from the 16th to 18th, inclusive, during which the temperatures reached the lower 20's in the greater portion of the State, and practically all growing crops were killed. November was abnormally cool and dry. The average precipitation for the State was practically one-third of a November normal, and its distribution was rather more uniform than usual. This left the surface water supply very low with many springs and small streams going dry. Like the preceding month, December was deficient in precipitation, the average being about 73% of normal, and the combined November-December precipitation totaling only 3.21 inches, which is slightly more than half of the normal for those two months. December as a whole was favorable for outdoor work until the last week, and highways were in good condition generally until Christmas Day, after which they were icy and dangerous in many sections of the State.

Climatological Data for the Year 1939

STATION	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)						Sky					
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)	Number days with .01 or more	Number clear days	Number partly cloudy days	Number cloudy days	Prevailing direction of wind
Atlantic Drainage.																				
Allentown.....	Lehigh.....	254	17	51.6	97	Sept. 8	-1	Jan. 20	27	34.86	4.82	Mar.	1.33	Sept.	20.6	109	196	147	22	ne.
Ardmore.....	Montgomery.....	350	20	53.1	94	June 17	7	do. 26	20	47.47	8.26	Aug.	1.08	Nov.	22.7	120	.....	.....	.....	.....
Arendtsville.....	Adams.....	700	18	53.5	96	Aug. 13†	1	do. 27	18	36.76	4.58	Apr.	1.54	do.	22.5	114	177	93	95	nw.
Bedford.....	Bedford.....	1,060	8	52.8	94	June 17†	-4	do. 28	8	43.20	6.13	June	1.51	do.	41.0	110	158	52	155	nw.
Bethlehem.....	Northampton.....	364	37	54.6	99	July 25	8	do. 26	54	33.34	5.54	Feb.	0.69	do.	22.0	123	180	48	137	w.
Bloomsburg.....	Columbia.....	500	1	51.2	95	Sept. 8	-6	do. 20	13	31.82	4.75	Oct.	0.59	do.	35.4	123	183	109	73	.....
Carlisle.....	Cumberland.....	467	73	54.2	99	do. 8	2	do. 26†	50	33.51	4.46	Apr.	0.75	do.	25.5	112	209	52	104	nw.
Chambersburg.....	Franklin.....	580	40	54.5	101	do. 8	5	do. 15†	43	36.66	4.95	July	1.02	Aug.	26.7	107	124	135	106	sw.
Clearfield.....	Clearfield.....	1,120	29	49.9	93	do. 16	-6	do. 27	32	34.12	5.90	June	0.41	do.	45.9	130	106	101	155	sw.
Coatesville.....	Chester.....	380	52	52.1	97	June 17†	6	do. 20†	51	47.72	8.37	Aug.	0.65	Nov.	21.9	114	121	76	168	nw.
Colebrook.....	Lebanon.....	560	24	51.6	95	Sept. 8	2	do. 20	30	41.80	9.65	do.	0.40	May	27.0	118	152	57	126	w.
Emporium.....	Cameron.....	1,050	52	50.1	93	July 7†	-4	do. 26	52	35.38	5.43	Oct.	1.03	Nov.	.....	101	205	6	154	w.
Ephrata.....	Lancaster.....	380	39	54.6	100	June 17†	2	do. 20	47	40.02	6.37	June	0.61	do.	23.5	107	154	86	125	s.
Freeland.....	Luzerne.....	1,970	46	48.3	93	July 25	-3	do. 26	46	36.51	4.45	Apr.	1.39	do.	51.9	135	59	42	264	w.
George School.....	Bucks.....	190	33	54.6	97	do. 25	-2	do. 20	33	40.29	6.29	Aug.	0.70	Sept.	24.1	126	164	94	107	nw.
Gettysburg.....	Adams.....	553	64	55.2	100	Sept. 8	4	do. 27	66	37.05	5.03	Oct.	0.80	Nov.	20.6	113	186	65	114	e.
Gordon.....	Schuylkill.....	840	36	50.0	97	do. 8	-5	do. 20	36	39.87	6.22	Aug.	0.96	do.	57.0	110	179	82	104	w.
Hanover.....	York.....	600	35	55.4	97	do. 8	8	do. 27	35	43.06	6.25	June	0.78	do.	19.7	129	182	72	111	s.
Harrisburg.....	Dauphin.....	337	51	54.2	99	do. 8	8	do. 26	70	30.84	4.09	Aug.	0.53	do.	23.7	125	97	109	159	w.
Hawley.....	Wayne.....	900	21	48.5	97	July 25	-11	do. 27	21	35.24	5.59	do.	0.62	July	51.1	133	183	90	92	w.
Holtwood.....	Lancaster.....	200	20	55.0	97	Sept. 8	9	do. 26	26	37.58	6.16	June	0.57	May	25.0	109	157	85	123	nw.
Huntingdon.....	Huntingdon.....	650	52	51.7	97	do. 8	-1	do. 28	52	33.83	4.62	do.	1.21	Nov.	34.5	109	147	89	129	w.
Kiartown.....	Clearfield.....	1,694	10	48.7	91	do. 16	-2	do. 26	10	27.47	4.86	do.	0.85	May	38.5	151	56	104	205	.....
Lancaster.....	Lancaster.....	255	36	53.4	99	June 17†	-7	do. 20	52	41.91	6.26	Aug.	0.50	do.	23.6	121	199	79	87	nw.
Lawrenceville.....	Tioga.....	1,000	42	49.1	98	Sept. 16	-14	do. 20	42	29.37	4.64	Sept.	0.55	Nov.	49.0	96	156	102	107	.....
Lebanon.....	Lebanon.....	469	51	52.8	99	do. 8	1	do. 20	56	35.34	5.58	Aug.	0.21	May	23.8	108	205	73	87	w.
Lewistown.....	Mifflin.....	500	2	53.9	97	do. 8	7	do. 27	2	28.52	4.78	July	0.48	Nov.	19.9	99	97	90	178	e.
Lock Haven.....	Clinton.....	580	49	51.9	95	May 31†	3	do. 26	49	36.71	5.66	Sept.	0.84	do.	29.7	137	83	187	95	sw.
Marcus Hook.....	Delaware.....	50	14	58.1	101	June 16	13	do. 25†	14	41.10	8.15	Aug.	0.21	May	12.5	98	225	37	103	sw.
Mauch Chunk.....	Carbon.....	600	49	51.3	97	July 25	-1	do. 20†	49	38.99	5.11	do.	0.65	Nov.	17.0	111	253	37	75	w.
Montrose.....	Susquehanna.....	1,680	35	47.0	93	do. 26†	-7	do. 26	35	34.11	5.00	June	0.50	do.	49.4	128	69	153	143	nw.
Mt. Pocono.....	Monroe.....	1,720	34	44.6	86	May 31	-6	do. 24	34	45.93	5.93	Jan.	1.68	May	49.5	118	159	81	125	nw.
Muncy Valley.....	Sullivan.....	1,045	27	48.0	93	July 24	-10	do. 26	27	38.50	6.01	Sept.	0.72	Nov.	33.0	108	193	111	61	w.
Neshaminy Falls.....	Bucks.....	60	25	51.9	94	June 17†	-8	do. 20	25	42.62	7.57	Aug.	1.04	Sept.	20.4	124	192	53	120	sw.
New Bloomfield.....	Perry.....	679	2	52.4	98	do. 17†	-1	do. 20†	2	35.22	4.58	Feb.	0.66	May	.....	109	170	99	96	w.
Palmerton.....	Carbon.....	398	14	51.3	96	Sept. 8	-4	do. 20	23	33.02	4.65	Oct.	0.28	Nov.	29.0	106	119	135	111	ne.
Philadelphia.....	Philadelphia.....	26	68	55.8	96	do. 8	12	do. 26	68	45.40	6.90	Aug.	1.18	Dec.	18.8	123	106	122	137	sw.
Phoenixville.....	Chester.....	100	29	54.3	98	June 17†	-3	do. 20	30	46.44	6.21	do.	1.14	Nov.	19.1	118	163	144	58	nw.
Port Clinton.....	Schuylkill.....	407	1	52.2	96	Sept. 8	3	do. 20†	1	37.82	4.79	Feb.	0.71	do.	29.8	108	237	12	116	n.
Quakertown.....	Bucks.....	496	52	51.3	97	Aug. 17	-12	do. 20	54	42.29	6.02	Aug.	0.87	do.	21.3	121	152	99	114	nw.
Reading.....	Berks.....	266	42	54.2	96	June 17†	8	do. 26	62	36.30	4.55	Feb.	0.59	do.	26.9	112	108	120	137	nw.
Retreat.....	Luzerne.....	900	6	50.0	93	July 25	-6	do. 27	6	35.39	4.91	Aug.	0.41	do.	36.8	125	165	101	99	nw.
Scranton.....	Lackawanna.....	746	45	50.5	94	do. 25	2	do. 27	45	29.23	3.87	do.	0.46	do.	34.3	134	81	143	141	sw.
Selinsgrove.....	Snyder.....	455	50	52.4	96	Sept. 8	-7	do. 20	50	33.31	4.36	Feb.	0.76	do.	23.7	122	132	154	79	w.
Shawmont.....	Philadelphia.....	51	22	55.0	95	June 17†	8	do. 20	43	40.47	6.71	Aug.	0.80	do.	19.3	131	87	134	144	nw.
Shippensburg.....	Cumberland.....	660	7	53.3	97	Sept. 8	1	do. 27	7	36.67	5.13	Apr.	0.91	do.	25.5	114	150	78	137	sw.
State College.....	Center.....	1,217	51	50.7	92	Aug. 3	1	do. 26	55	38.68	5.16	June	1.02	do.	39.4	131	127	138	100	w.
Towanda.....	Bradford.....	754	46	49.6	98	Sept. 16	-9	do. 20	45	29.78	4.83	Sept.	0.46	do.	43.4	136	128	121	116	de.
Wellsboro.....	Tioga.....	1,419	59	47.8	93	do. 16	-11	do. 20	69	29.73	3.93	July	1.09	do.	39.3	127	225	63	77	n.
West Chester.....	Chester.....	455	58	54.0	96	June 17†	7	do. 26	90	43.37	7.16	Aug.	0.79	do.	23.1	116	186	91	88	w.
Wilkes-Barre.....	Luzerne.....	544	1	51.0	95	July 8†	-5	do. 27	1	30.31	4.06	July	0.59	do.	25.6	141	.....	.....	.....	sw.
Williamsport.....	Lycoming.....	521	50	50.9	93	May 31	-1	do. 20	53	34.14	4.81	do.	0.97	do.	27.3	127	169	82	114	w.
Williamstown.....	Dauphin.....	1,275	24	52.0	95	Sept. 8	2	do. 26	24	31.89	3.99	Oct.	0.92	do.	28.0	112	138	105	122	sw.
York.....	York.....	400	40	53.7	97	do. 8	-3	do. 27	51	38.89	5.44	do.	0.55	do.	21.0	126	190	98	77	.....
Ohio Drainage.																				
Butler.....	Butler.....	1,077	17	51.9	96	July 7	-4	Jan. 26	17	37.91	7.17	June	0.96	Nov.	45.2	116	158	131	76	nw.
Clairton.....	Allegheny.....	1,020	9	52.8	94	Sept. 8	5	Feb. 23	9	34.75	6.75	do.	0.43	do.	25.5	126	98	88	179	s.
Claysville.....	Washington.....	1,150	35	53.2	95	do. 8	0	Jan. 23	35	39.97	9.38	do.	0.49	do.	35.2	155	176	64	125	s.
Corry.....	Erie.....	1,430	27	48.0	95	July 7†	-10	Mar. 19	28	37.57	5.31	July	0.74	do.	39.5	92	220	65	80	sw.
Coudersport.....	Potter.....	1,653	11	47.8	94	Sept. 16	-6	Jan. 27	11	42.38	6.27	Sept.	1.82	do.	85.55					

Monthly and Annual Precipitation for the Year 1939, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation.	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
DELAWARE BASIN.																										
Allentown.....	3.02	-0.57	4.30	+0.94	4.82	+1.42	4.05	+0.34	1.73	-1.67	2.51	-1.43	3.59	-1.02	2.62	-2.28	1.33	-2.01	3.00	-0.55	1.38	-1.38	2.51	-1.00	34.86	-9.21
Ardmore.....	4.15	+0.62	6.70	+3.20	4.40	+0.27	6.49	+2.66	1.38	-2.56	4.60	+0.67	2.16	-2.52	8.26	+2.59	2.35	-1.42	4.45	+0.81	1.08	-2.29	1.65	-2.09	47.47	-0.13
Boyletown.....	3.31	-0.14	5.54	+2.43	3.73	+0.49	3.87	+0.37	1.76	-1.36	2.58	-1.28	2.88	-1.68	2.56	-1.89	1.25	-1.99	2.59	-0.76	0.69	-2.18	2.58	-0.70	33.84	-8.69
Coatesville.....	3.29	-0.67	6.08	+2.31	3.29	-0.73	4.88	+1.12	1.11	-2.48	7.27	+3.07	3.05	-1.51	8.37	+3.64	2.16	-1.24	5.29	+1.93	0.65	-2.29	2.28	-1.71	47.72	+1.44
Conshohocken.....	.....	.....	5.88	+2.62	4.52	+1.45	5.36	+1.87	2.82	-0.41	.....	.....	3.41	-0.87	.....	.....	1.23	-2.33	3.68	-0.01	0.96	-1.92	.....	.....	.....	.....
Doylestown.....	3.65	+0.01	5.26	+1.78	3.42	-0.30	4.20	+0.18	1.27	-2.30	4.00	+0.06	2.69	-2.18	4.96	-0.29	0.77	-2.83	4.52	+0.71	0.97	-1.99	1.93	-1.91	37.64	-9.07
Fredericksville.....	3.53	.....	5.88	.....	4.00	.....	4.21	.....	1.09	.....	3.05	.....	4.18	.....	3.96	.....	2.10	.....	3.96	.....	0.61	.....	2.36	.....	38.93	.....
Freeland.....	3.51	+0.27	4.31	+0.80	1.12	-0.25	4.15	-0.13	1.79	-2.05	2.74	-2.22	1.42	-3.49	4.14	-0.26	1.94	-1.91	3.72	-0.57	1.39	-1.74	2.98	-0.94	36.51	-12.49
George School.....	3.78	+0.03	5.85	+2.79	4.51	+0.83	4.88	+1.26	1.72	-1.64	3.44	-0.23	2.05	-2.88	6.29	+1.25	0.70	-2.76	3.92	+0.22	1.54	-1.33	1.61	-1.96	40.29	-3.92
Gouldsboro.....	3.52	+0.16	.....	.....	.....	.....	.....	.....	.....	.....	1.35	+0.16	1.10	-3.35	3.92	-0.39	2.95	-0.81	3.27	-0.65	0.49	-2.73	2.81	-0.61	.....	.....
Graterford.....	3.01	-0.81	4.68	+1.27	3.38	-0.67	3.85	+0.03	2.23	-0.98	4.57	+0.66	3.64	-0.94	6.90	+2.18	1.47	-1.70	6.69	+3.03	1.81	-1.15	2.70	-0.76	44.93	+0.16
Hawley.....	2.63	-0.01	3.32	+0.50	4.26	+1.35	3.88	+0.66	2.06	-1.46	2.71	-1.14	0.62	-2.16	5.59	+1.50	2.72	-0.49	3.73	+0.37	1.66	-0.97	2.07	-1.00	35.24	-2.85
Hollisterville.....	3.07	-0.12	3.92	+1.07	4.07	+0.53	4.04	+0.19	2.63	-0.45	3.79	-0.39	1.00	-3.80	5.48	+1.59	3.10	-0.89	4.41	+1.09	1.49	-1.48	2.47	-0.20	39.47	-2.62
Lakeville.....	3.20	+0.22	3.29	+0.68	4.21	+0.46	3.90	-0.05	1.71	-1.67	2.60	-1.73	1.01	-3.96	9.07	+4.37	2.70	-1.04	4.93	+1.39	1.24	-1.46	2.25	-0.31	40.11	-3.10
Lansford.....	3.26	+0.54	4.37	+1.63	5.38	+2.05	4.10	+0.70	1.84	-1.61	2.98	-1.49	1.94	-2.45	5.92	+1.27	2.67	-1.06	4.21	+0.31	1.35	-1.24	3.39	-0.04	41.41	-1.40
Lehighton.....	3.16	.....	3.33	.....	4.87	.....	4.18	.....	2.62	.....	2.73	.....	1.72	.....	6.60	.....	1.99	.....	3.63	.....	1.13	.....	3.80	.....	39.76	.....
Marcus Hook.....	3.47	+0.15	5.89	+3.28	3.62	+0.05	6.50	+2.90	0.21	-2.77	3.61	-0.18	1.59	-2.76	8.15	+2.43	1.65	-1.81	3.82	+1.37	0.59	-2.11	1.60	-1.12	41.10	-0.57
Matamoras.....	2.56	-0.16	3.89	+1.32	4.46	+1.36	4.11	+0.74	2.21	-1.16	2.79	-1.21	3.19	-0.53	3.32	-0.42	3.94	+0.75	3.80	+0.56	2.51	-0.30	2.13	-0.78	38.94	+0.17
Mauch Chunk.....	3.70	+0.46	4.93	+1.42	3.92	-0.24	4.18	+0.13	1.57	-1.99	3.81	-0.66	1.55	-3.17	5.11	+0.22	1.42	-2.59	4.95	+1.05	0.65	-2.51	3.20	-0.84	38.99	-8.77
Mount Pocono.....	5.93	+2.96	5.38	+2.40	2.66	-0.90	5.69	+2.05	1.68	-2.40	5.65	+0.89	2.60	-1.87	4.25	-0.01	2.85	-1.69	3.63	-1.05	2.00	-1.21	3.61	+0.35	45.93	-0.38
Myerstown.....	3.81	.....	4.40	.....	3.92	.....	3.75	.....	0.44	.....	1.25	.....	2.44	.....	7.17	.....	2.70	.....	4.18	.....	1.49	.....	3.05	.....	38.60	.....
Neshaminy Falls.....	4.02	+0.66	5.75	+2.79	4.60	+0.94	6.45	+2.70	1.12	-2.84	3.99	+0.12	1.62	-2.85	7.57	+1.70	1.04	-2.39	3.41	-0.61	1.42	-1.61	1.63	-1.89	42.02	-3.37
N-W Tripoli.....	3.71	.....	5.13	.....	3.97	.....	4.50	.....	0.47	.....	2.77	.....	1.99	.....	3.55	.....	2.16	.....	3.83	.....	0.52	.....	2.99	.....	35.59	.....
Orwigsburg.....	3.67	.....	4.38	.....	3.12	.....	4.83	.....	1.01	.....	2.58	.....	3.19	.....	5.98	.....	2.54	.....	3.84	.....	0.75	.....	3.14	.....	39.03	.....
Palmerton.....	2.63	+0.26	4.40	+2.01	3.39	+0.35	3.64	+0.40	2.55	-0.87	2.35	-1.36	0.56	-3.92	3.73	-0.23	1.97	-1.82	4.65	+1.26	0.28	-2.31	2.87	-0.04	33.02	-5.77
Panpack.....	2.91	+0.11	3.45	+0.63	4.17	+1.37	3.91	+0.35	2.03	-1.49	3.15	-0.99	0.49	-2.70	4.58	+0.16	2.61	-1.34	3.84	+0.13	1.62	-1.20	2.15	-0.73	34.91	-5.70
Philadelphia.....	4.46	+1.16	6.12	+2.80	4.32	+0.93	6.40	+3.35	1.91	-1.35	4.45	+1.21	2.19	-1.96	6.90	+2.28	1.91	-1.23	4.30	+1.49	1.26	-1.44	1.18	-2.25	45.40	+4.99
Phila. Navy Yard.....	4.87	+1.61	5.93	+2.57	4.31	+0.79	6.83	+3.50	2.99	-0.13	5.69	+1.69	3.33	-1.27	7.05	+1.77	1.26	-1.88	4.05	+0.94	0.97	-1.86	1.27	-2.17	48.55	-5.59
Phoenixville.....	4.02	+0.39	6.03	+2.63	3.81	-0.17	4.25	+0.73	3.40	-0.36	4.70	+1.33	3.26	-1.70	6.21	+0.86	1.40	-1.87	5.87	+2.25	1.14	-1.85	2.35	-1.34	46.44	+1.24
Pleasant Mount.....	4.33	+0.19	4.47	+1.30	4.52	+0.48	4.08	-0.03	1.57	-2.21	2.93	-1.52	2.83	-3.26	5.02	+0.43	4.50	+0.01	6.12	+1.83	0.45	-3.53	3.10	+0.05	44.16	-5.03
Pott Clinton.....	3.37	-0.15	4.79	+1.47	3.42	-0.45	4.49	+0.35	1.13	-3.01	3.92	-0.54	1.64	-3.26	4.62	-0.55	1.98	-2.07	4.31	+0.34	0.71	-2.10	3.44	-0.17	37.82	-10.14
Pottstown.....	3.38	+0.09	4.66	+1.55	2.69	-0.71	3.32	+0.21	*1.51	-1.85	*4.44	+1.06	3.46	-1.06	3.22	-1.10	1.69	-1.31	4.04	+0.67	0.61	-1.88	2.63	-0.96	35.65	-5.29
Pottsville.....	3.92	+0.36	4.39	+0.98	3.80	-0.29	4.12	+0.31	0.80	-2.93	3.32	-0.98	1.94	-2.75	8.54	+3.88	2.63	-1.44	3.68	-0.41	1.58	-1.35	2.64	-1.21	41.36	-5.83
Quakertown.....	3.55	-0.27	5.88	+2.57	3.37	-0.42	4.82	+0.76	1.84	-1.52	4.35	+0.44	3.05	-1.63	6.02	+0.93	1.22	-2.67	5.16	+1.24	0.87	-2.27	2.16	-1.80	42.29	-4.64
Reading.....	3.44	-0.13	4.55	+1.13	2.59	-0.93	3.27	0.00	1.39	-2.28	4.38	+0.83	3.43	-0.83	3.38	-0.83	2.55	-0.66	4.03	+0.91	0.59	-2.14	2.70	-0.86	36.30	-5.79
Sellersville.....	3.38	.....	5.67	.....	3.50	.....	4.69	.....	1.81	.....	4.09	.....	2.88	.....	4.83	.....	2.52	.....	3.47	.....	0.53	.....	2.00	.....	39.37	.....
Shawmut.....	3.71	+0.41	5.68	+2.50	4.32	+0.85	5.50	+2.17	2.39	-0.89	3.34	-0.08	1.38	-2.91	6.71	+1.60	1.04	-2.12	4.15	+0.90	0.80	-2.03	1.45	-2.08	40.47	-1.68
Stroudsburg.....	3.89	+0.51	1.10	+0.09	4.08	+0.57	3.60	+0.03	1.40	-1.93	*3.94	-0.38	1.45	-1.16	4.70	+0.50	1.63	-1.85	*2.07	-1.67	3.20	+0.01	2.65	-0.71	36.41	-8.33
Wernersville(near).....	3.19	.....	3.31	.....	1.98	.....	4.45	.....	1.02	.....	1.63	.....	3.30	.....	5.32	.....	2.32	.....	6.13	.....	1.86	.....	2.46	.....	36.97	.....
West Chester.....	4.14	+0.32	6.82	+3.32	3.69	-0.14	5.43	+1.69	1.39	-2.49	3.88	-0.67	2.05	-2.59	7.16	+2.16	1.67	-1.85	4.26	+0.64	0.79	-2.29	2.09	-1.71	43.37	-3.61
West Grove.....	3.20	.....	4.51	.....	4.54	.....	5.14	.....	0.66	.....	5.55	.....	3.78	.....	6.90	.....	1.89	.....	4.24	.....	1.43	.....	1.99	.....	43.83	.....
Zionsville.....	5.37	.....	8.60	.....	4.35	.....	4.90	.....	1.81	.....	4.85	.....	4.61	.....	3.22	.....	1.61	.....	3.81	.....	1.52	.....	2.76	.....	47.41	.....

Monthly and annual Precipitation for the Year 1939, with Departures from the Normal.—Continued

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
SUSQUEHANNA BASIN (Continued)																										
Selinsgrove.....	2.89	-0.13	4.36	+1.59	3.89	+0.37	3.15	-0.52	1.55	-2.15	2.77	-1.36	3.78	-0.26	1.70	-2.14	2.60	-0.71	3.84	+0.27	0.76	-1.71	2.02	-0.99	33.31	-7.74
Shade Gap.....	2.45	.....	4.08	.....	3.20	.....	4.48	.....	1.51	.....	5.72	.....	3.58	.....	2.20	.....	4.18	.....	3.72	.....	0.92	.....	1.38	.....	37.42	.....
Shippensburg.....	2.57	.....	3.88	.....	2.62	.....	5.13	.....	0.93	.....	4.23	.....	3.96	.....	1.42	.....	4.20	.....	4.47	.....	0.91	.....	2.35	.....	36.67	.....
State College.....	3.64	+0.56	4.40	+1.93	3.55	+0.21	3.70	+0.10	2.47	-1.42	5.16	+1.04	2.05	-1.81	3.89	+0.41	3.84	+0.94	3.44	+0.42	1.02	-1.29	1.52	-1.15	38.68	-0.06
Sunbury.....	3.26	+0.03	3.92	+1.09	5.11	+1.84	3.07	-0.49	1.17	-2.75	1.60	-2.70	3.01	-1.31	3.90	+0.10	2.65	-0.66	3.72	+0.40	1.45	-0.82	2.07	-0.85	34.93	-6.12
Susquehanna.....	2.15	.....	2.91	.....	2.50	.....	2.49	.....	0.43	.....	3.36	.....	5.08	.....	2.26	.....	3.88	.....	3.48	.....	1.19	.....	2.43	.....	32.76	.....
Towanda.....	2.40	+0.26	4.19	+2.20	2.46	-0.13	1.88	-1.21	1.30	-2.06	2.99	-0.83	1.55	-2.25	1.78	-1.65	4.83	+1.64	3.98	+1.07	0.46	-1.68	1.96	-0.23	29.78	-4.87
Weikert.....	2.63	-0.62	3.85	+1.11	4.90	+1.15	2.80	-1.41	1.84	-2.05	2.11	-2.02	3.92	-0.25	2.70	-0.91	3.03	-0.29	3.70	-0.10	0.59	-2.09	2.00	-1.10	34.07	-8.58
Wellsville.....	2.83	+0.56	2.80	-0.78	2.56	-0.10	1.56	-1.50	2.03	-1.37	2.32	-1.41	3.93	+0.73	2.06	-1.12	3.87	+0.92	2.95	-0.08	1.09	-1.13	1.73	-0.41	29.73	-4.13
Wilkes-Barre ¹	2.76	+0.37	3.82	+1.24	2.74	-0.17	2.98	+0.05	1.42	-1.73	1.09	-2.89	4.06	-0.01	2.67	-1.11	2.17	-1.30	3.68	+0.58	0.59	-1.63	2.33	-0.40	30.31	-7.00
Wilkes-Barre ²	2.70	+0.31	3.55	+0.97	2.96	+0.05	2.88	-0.05	1.82	-1.33	0.83	-3.15	5.14	+1.07	3.45	-0.33	3.06	-0.41	4.07	+0.97	1.64	-0.58	2.00	-0.73	34.10	-3.21
Williamstown.....	2.79	-0.17	3.28	+0.78	3.98	+0.76	2.70	-0.94	2.23	-1.60	2.10	-1.76	4.81	+0.97	2.48	-1.25	2.76	-0.28	4.42	+1.20	0.97	-1.40	1.62	-1.27	34.14	-4.96
York.....	2.46	-0.60	3.71	+1.04	2.08	-1.19	3.83	+0.35	1.69	-2.12	2.87	-1.64	1.99	-3.43	3.43	-0.48	2.70	-1.39	3.99	+0.28	0.92	-1.91	2.22	-0.65	31.89	-11.74
York Haven.....	3.05	-0.02	4.83	+2.08	3.24	+0.13	4.12	+0.93	0.88	-2.14	4.26	+0.51	2.97	-1.25	3.38	-0.68	3.71	+0.68	5.44	+2.40	0.55	-1.68	2.46	-0.47	38.89	+0.49
York Haven.....	2.93	+0.07	3.91	+1.16	3.81	+0.98	4.00	+0.78	0.39	-2.66	2.58	-1.21	2.37	-2.27	3.08	-0.94	3.12	-0.15	4.98	+1.97	1.15	-0.95	2.37	-0.62	34.69	-3.84
OHIO BASIN.																										
Aemetonia.....	2.73	-0.68	5.35	+2.73	3.41	-0.33	3.75	+0.45	2.52	-1.09	5.08	+0.56	6.24	+2.12	1.26	-2.75	2.34	-0.60	3.14	+0.18	0.55	-2.04	1.97	-2.17	38.34	-3.62
Beaver Falls.....	3.20	+0.31	3.49	+1.21	3.95	+0.66	2.19	-0.82	2.50	-0.71	7.02	+2.55	2.33	-1.20	1.20	-2.40	2.24	-0.62	2.95	+0.46	0.73	-1.64	1.68	-0.96	33.48	-3.16
Blairsville.....	4.11	.....	4.86	.....	3.88	.....	3.47	.....	1.30	.....	5.25	.....	1.76	.....	*1.29	.....	1.98	.....	3.54	.....	1.04	.....	4.02	.....	35.90	.....
Bradford.....	2.21	-1.41	3.46	+0.84	3.28	-0.27	2.68	-1.12	1.90	-2.00	3.60	-0.47	4.36	-0.08	1.36	-2.32	5.88	+1.89	4.88	+1.57	1.50	-1.69	4.06	+0.89	39.17	-4.17
Brookville.....	3.47	+0.24	4.77	+2.64	5.45	+2.20	3.07	+0.17	1.47	-1.95	3.27	-1.07	4.46	+0.30	2.60	-1.24	2.59	-0.54	3.90	+0.63	1.17	-1.72	3.22	+0.20	39.44	-0.14
Butler.....	3.11	-0.12	4.73	+2.33	4.24	+0.80	3.10	-0.27	0.82	-2.71	7.17	+2.51	4.27	+0.14	1.47	-2.43	2.62	-0.84	3.42	+0.55	0.96	-1.84	2.00	-1.01	37.91	-3.17
Chambersville.....	2.81	-0.95	5.37	+2.51	3.99	+0.24	3.40	-0.48	2.04	-2.07	6.72	+1.97	5.60	+0.91	1.32	-2.60	2.44	-1.21	2.45	-1.06	0.74	-2.03	2.38	-0.95	39.26	-5.22
Clairton.....	2.78	.....	5.53	.....	2.86	.....	3.21	.....	1.04	.....	6.75	.....	3.63	.....	1.47	.....	3.07	.....	2.54	.....	0.43	.....	1.44	.....	34.75	.....
Clarion.....	3.67	-0.18	5.41	+2.82	5.75	+2.07	2.69	-0.85	1.54	-2.20	2.79	-1.37	3.80	-0.59	2.98	-1.26	4.07	+0.56	3.82	-0.58	0.83	-2.50	3.00	-0.52	40.35	-4.60
Claysville.....	2.55	-0.70	5.36	+2.89	3.10	-0.23	4.11	+0.72	1.03	-2.56	9.38	+5.08	5.46	+1.21	1.85	-1.92	1.74	-1.50	3.01	-0.24	0.49	-2.01	1.89	-1.07	39.97	-0.33
Confluence.....	4.20	+0.22	5.09	+2.16	4.70	+0.85	4.48	+0.79	1.99	-2.00	9.11	+4.43	3.47	-1.11	2.18	-2.19	2.31	-0.79	3.89	+0.84	1.34	-1.37	2.77	-0.78	45.53	+1.05
Connellsville.....	2.36	.....	4.59	.....	2.71	.....	3.54	.....	0.91	.....	6.50	.....	4.32	.....	1.65	.....	1.87	.....	3.22	.....	0.78	.....	2.67	.....	34.52	.....
Coraopolis.....	2.00	-0.99	4.20	+1.75	2.53	-0.81	2.63	-0.44	1.56	-1.71	4.69	+0.11	3.33	-0.49	1.28	-1.86	2.13	-0.75	2.72	+0.10	0.40	-1.99	1.82	-0.98	29.29	-8.16
Corry.....	3.16	-0.96	3.35	+0.54	2.73	-1.08	3.23	-0.39	1.48	-3.03	3.22	-1.59	5.31	+1.91	1.82	-2.17	5.27	+1.67	4.31	+0.25	0.74	-3.07	2.95	-0.67	37.57	-8.59
Coudersport.....	2.88	-0.15	4.38	+1.99	4.06	+0.69	3.05	-0.55	2.66	-1.03	3.37	-0.84	4.66	+0.60	2.16	-1.05	6.27	+3.29	4.05	+0.73	1.82	-1.17	3.02	+0.45	42.38	+2.96
Derry.....	3.06	-0.82	5.57	+2.55	3.26	-0.60	4.73	+1.00	1.66	-1.98	6.46	+1.52	2.70	-1.77	1.19	-2.88	1.67	-1.37	4.47	+0.23	1.11	-1.52	1.17	-1.13	37.05	-6.87
Donora.....	2.82	+0.02	5.16	+2.68	3.77	+0.24	4.41	+0.68	1.40	-1.58	7.68	+3.95	2.80	-0.54	1.75	-1.83	1.67	-1.01	2.65	-0.20	0.57	-1.77	1.62	-0.70	36.30	-0.06
Ebensburg.....	4.60	+1.01	5.23	+2.52	3.46	-0.18	4.16	+0.96	1.25	-3.09	7.40	+2.56	2.24	-1.92	0.84	-3.18	3.42	-0.08	3.75	+0.43	1.18	-1.70	3.60	+0.08	40.59	-2.59
Franklin.....	3.08	-0.34	3.58	+1.09	3.48	+0.13	4.22	+1.08	1.56	-2.32	2.54	-1.69	3.93	-0.34	1.63	-2.06	4.83	+1.44	3.97	+0.68	0.71	-2.22	2.43	-0.75	34.16	-7.36
Greensboro.....	2.73	-0.62	4.56	+2.87	4.18	+0.52	4.36	+1.09	0.58	-3.11	8.87	+4.23	5.55	+1.12	1.37	-2.27	1.59	-1.54	3.48	+0.48	1.06	-1.54	2.43	-0.72	41.66	+0.51
Greensburg.....	3.38	-0.05	5.39	+2.64	4.06	+0.64	4.67	+1.27	2.07	-1.71	6.59	+2.20	3.79	+0.02	0.83	-3.28	1.75	-1.17	3.50	+0.58	0.78	-1.62	2.32	-0.23	39.68	-0.71
Greenville.....	3.19	-0.44	4.07	+1.50	3.30	-0.07	3.62	-0.36	0.97	-2.74	5.79	+1.88	3.16	-1.16	3.96	+0.49	4.49	+1.20	2.90	-0.62	0.82	-2.11	2.30	-0.60	38.77	-2.31
Grove City.....	2.42	-0.79	4.42	+2.19	3.27	-0.05	2.81	-0.60	1.26	-2.87	5.36	+1.29	4.11	-0.45	1.61	-1.86	4.25	+0.74	4.10	+0.93	0.36	-2.67	1.03	-2.07	35.00	-6.21
Irwin.....	3.09	+0.15	5.26	+2.91	3.03	-0.19	4.09	+0.96	1.66	-1.57	6.25	+1.86	2.67	-1.07	1.10	-2.68	1.54	-1.21	2.90	+0.03	0.70	-1.59	2.55	-0.34	34.84	-2.74
Johnstown.....	3.69	-0.63	5.87	+2.39	3.88	-0.62	5.14	+1.19	0.92	-3.17	5.84	+0.64	4.24	-0.05	1.46	-3.06	3.21	-0.03	4.86	+1.60	1.16	-1.72	3.17	-0.60	43.44	-4.06
Kane Forest Station.....	2.59	.....	3.40	.....	3.00	.....	*2.73	.....	1.77	.....	5.69	.....	4.83	.....	1.46	.....	5.48	.....	5.31	.....	1.56	.....	4.47	.....	42.29	.....
Kregar.....	3.29	-0.21	6.51	+3.21	3.42	-0.78	4.40	+0.70	0.68	-3.22	7.19	+2.39	2.23													

Monthly and Annual Mean Temperatures for the Year 1939, with Departures from the Normal

STATIONS.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Atlantic Drainage.																										
Allentown.....	28.8	-0.9	33.4	+4.0	35.6	-2.7	45.6	-3.0	63.8	+8.3	70.9	+1.2	73.9	0.0	75.4	+3.3	66.2	+1.0	53.0	-0.1	39.9	-2.5	33.1	+1.0	51.6	+0.4
Altoona.....	29.4	+1.6	31.9	+4.1	38.0	+0.4	44.8	-3.0	63.6	+2.5	71.8	+0.8	75.0	+0.6	76.0	+3.6	66.9	+0.1	55.6	+0.5	42.8	-1.5	35.8	+1.5	53.1	+0.2
Ardmore.....	30.8	-1.3	34.4	+2.2	37.9	-3.3	46.4	-3.8	64.6	+4.2	71.4	+0.8	73.0	-1.4	76.0	+3.3	65.8	-0.1	54.0	-0.2	41.6	0.0	35.3	+2.3	53.5	+1.4
Arendtsville.....	31.4	+0.8	36.6	+5.0	42.0	+2.3	48.8	-0.6	64.6	+4.2	71.4	+0.8	73.0	-1.4	76.0	+3.3	65.8	-0.1	54.0	-0.2	41.6	0.0	35.3	+2.3	53.5	+1.4
Bedford.....	31.8	-0.5	35.2	+0.9	40.9	-0.6	49.3	-2.1	66.1	+3.6	73.6	+3.0	75.6	+0.5	77.0	+3.7	69.6	+2.6	56.6	+0.8	43.5	-1.0	35.8	+2.2	54.6	+1.6
Bethlehem.....	31.8	+1.0	36.4	+5.1	40.0	-0.6	49.3	-2.1	66.1	+3.6	73.6	+3.0	75.6	+0.5	77.0	+3.7	69.6	+2.6	56.6	+0.8	43.5	-1.0	35.8	+2.2	54.6	+1.6
Bloomsburg.....	29.0	.....	33.0	.....	38.1	.....	47.4	.....	61.8	.....	69.4	.....	71.9	.....	73.6	.....	64.8	.....	52.2	.....	39.1	.....	33.6	.....	51.2	.....
Carlisle.....	30.6	+1.9	36.0	+5.8	41.8	+3.1	49.4	-2.6	66.0	+1.4	73.2	+2.1	74.6	-0.5	76.6	+3.7	67.6	+2.1	55.1	+2.4	43.1	+1.6	35.8	+4.0	54.2	+2.4
Center Hall.....	30.1	+3.4	34.6	+7.0	38.2	+1.6	46.5	-1.2	63.2	+4.7	69.6	+3.6	69.0	-1.9	72.2	+8.6	65.4	+3.1	53.8	+1.9	40.6	+0.1	32.9	+2.9	51.3	+2.4
Chambersburg.....	32.2	+2.2	36.4	+4.7	42.2	+2.3	49.8	-0.5	65.3	+4.0	72.8	+2.8	74.2	-0.6	76.8	+4.4	68.4	+2.0	55.4	+2.1	43.8	+1.5	36.7	+3.5	54.5	+2.4
Clearfield.....	28.3	+0.7	30.4	+2.1	37.5	+0.2	45.4	-2.2	62.3	+3.3	69.2	+1.9	69.4	-2.1	71.0	+0.7	64.2	+0.3	51.6	-0.9	37.3	-3.7	32.0	+2.2	49.9	+0.2
Coatesville.....	30.4	-0.1	35.6	+5.1	39.2	-0.7	47.6	-1.5	62.6	+3.2	69.7	+1.6	71.8	-0.5	73.0	+2.6	64.1	0.0	53.2	+0.7	40.2	-1.4	34.2	+2.7	51.6	+1.1
Colebrook.....	30.0	+1.5	34.3	+4.6	38.8	-0.3	47.2	-1.3	61.6	+3.7	67.8	+1.9	69.9	+0.1	70.6	+2.6	63.4	+1.9	53.0	+2.8	36.8	-2.5	34.0	+4.7	50.1	+2.1
Emporium.....	30.6	+4.2	31.0	+5.1	36.6	+1.2	45.4	-1.3	61.6	+3.7	67.8	+1.9	69.9	+0.1	70.6	+2.6	63.4	+1.9	53.0	+2.8	36.8	-2.5	34.0	+4.7	50.1	+2.1
Ephrata.....	31.2	+0.6	37.1	+6.8	41.6	+1.4	49.6	-0.7	66.3	+4.6	74.0	+4.5	75.9	+1.0	77.8	+6.3	68.0	+1.8	55.2	+0.5	42.4	-0.9	35.8	+3.1	54.6	+2.4
Freeland.....	25.8	+1.5	29.3	+4.5	33.1	+0.1	42.0	-2.3	61.2	+4.6	67.0	+2.0	70.4	+1.4	71.4	+4.6	62.9	+2.8	50.8	+3.1	36.7	-0.6	28.7	+1.4	48.3	+1.9
George School.....	31.4	-0.3	37.0	+6.7	40.4	-0.3	49.0	-1.2	64.1	+3.0	72.0	+2.6	74.3	+0.1	76.5	+4.7	67.6	+1.3	55.7	+0.3	42.4	-1.4	36.1	+2.6	54.6	+2.1
Gettysburg.....	33.0	+2.8	38.2	+6.8	43.0	+2.7	50.6	-0.2	66.2	+4.5	74.0	+3.8	75.1	+0.6	77.0	+4.7	68.7	+2.8	55.8	+2.4	43.6	+1.2	36.8	+4.2	55.2	+3.1
Gordon.....	28.0	+0.7	32.0	+4.7	36.6	-0.3	45.4	-2.2	61.0	+2.9	68.0	+1.9	70.7	+0.2	72.8	+3.4	63.8	+1.3	51.4	+0.6	38.6	-1.3	32.1	+2.6	50.0	+1.3
Hanover.....	33.9	+0.8	39.0	+5.8	43.4	+0.9	50.2	-2.2	66.0	+2.8	73.6	+2.2	74.6	-1.2	76.8	+3.1	69.0	+1.2	56.6	+0.3	43.9	-1.1	37.2	+2.6	55.4	+1.3
Harrisburg.....	31.8	+2.8	36.3	+6.1	40.7	+1.8	48.6	-2.3	66.4	+4.6	72.5	+2.2	75.2	+0.4	77.2	+1.6	68.0	+2.2	55.7	+0.9	42.8	0.0	35.8	+3.1	54.2	+2.1
Hawley.....	25.1	-0.6	29.0	+3.2	33.2	-1.7	43.8	-1.6	60.6	+3.4	66.8	+0.7	69.7	-0.7	71.3	+3.1	61.5	+0.3	50.0	+0.6	36.3	-2.9	30.0	+1.4	48.5	+0.8
Holtwood.....	33.2	+1.0	37.2	+4.6	41.0	-0.4	49.0	-2.3	66.4	+3.5	73.7	+1.1	76.0	-1.0	78.5	+3.4	69.0	-0.3	56.3	-0.3	42.6	-2.5	36.6	+2.0	55.0	+0.9
Huntingdon.....	31.6	+2.5	34.8	+5.3	39.6	+0.7	46.9	-2.5	62.6	+2.3	70.0	+1.5	70.8	-1.6	73.6	+2.8	64.6	-0.1	52.4	-0.3	39.2	-2.6	34.4	+1.7	51.7	+0.9
Kylertown.....	27.2	-1.4	29.2	+2.4	35.2	+0.9	43.4	-1.4	61.8	+4.0	67.1	+1.1	69.0	-1.0	70.7	+2.9	63.0	+1.3	50.6	+1.1	36.1	-2.1	30.7	+1.7	48.7	+0.9
Lancaster.....	30.0	-0.3	36.3	+5.3	41.5	+1.8	48.7	-0.6	64.1	+3.1	73.0	+2.9	74.0	0.0	76.4	+4.0	66.8	+1.2	54.0	+0.5	41.0	-2.1	34.8	+1.7	53.4	+1.5
Lawrenceville.....	24.0	-1.5	29.0	+4.2	35.1	+0.3	45.4	-0.6	61.2	+3.8	68.6	+2.5	70.1	-0.4	72.9	+4.5	64.4	+2.6	51.0	+0.4	36.0	-3.1	31.0	+2.3	49.1	+1.3
Lebanon.....	29.9	+0.5	34.6	+5.0	38.8	-0.5	47.7	-2.6	65.4	+4.3	71.8	+2.0	74.4	+0.3	76.0	+3.8	66.5	+0.7	54.2	+0.4	40.8	-1.8	34.0	+1.8	52.8	+1.1
Lewistown.....	32.8	.....	36.1	.....	41.6	.....	50.0	.....	65.2	.....	71.8	.....	73.0	.....	75.0	.....	68.3	.....	58.4	.....	42.8	.....	36.7	.....	53.9	.....
Lock Haven.....	30.6	+2.3	32.2	+3.8	39.2	+0.6	48.6	-1.8	64.6	+2.8	71.0	+1.2	72.6	-1.1	74.3	+2.8	61.6	-3.4	53.0	-0.6	39.4	-2.6	35.2	+3.9	51.9	+0.7
Marcus Hook.....	36.1	0.0	42.6	+7.5	45.4	+0.7	53.8	-0.8	69.4	+3.6	76.4	+1.2	78.6	-0.3	79.6	+3.0	71.5	+0.7	59.0	-0.5	45.4	-2.3	39.6	+0.8	58.1	+1.1
Mauch Chunk.....	29.8	+1.9	33.0	+5.1	37.9	+0.4	46.6	-1.9	63.0	+3.3	69.8	+1.8	71.8	-0.5	73.4	+3.4	64.0	-0.2	53.4	+1.0	39.9	-1.4	33.2	+2.4	51.3	+1.3
Montrose.....	23.1	0.0	26.6	+3.7	30.7	-1.6	42.0	-1.9	59.7	+4.8	66.8	+3.2	69.6	+1.5	71.6	+4.8	63.1	+2.5	49.4	+0.2	34.7	-0.6	27.3	+0.8	47.0	+1.4
Mount Pocono.....	23.4	-0.3	26.6	+4.9	31.0	-1.0	39.5	-2.5	56.2	+3.9	63.6	+2.0	62.6	-3.1	65.5	+1.3	58.0	-0.4	48.0	-0.3	35.9	-3.0	28.4	+2.6	44.6	+0.1
Muncy Valley.....	26.0	+0.4	29.2	+3.2	35.0	-0.3	43.5	-3.3	58.8	+1.8	65.0	-0.3	69.6	-0.2	69.6	+1.6	62.0	+0.6	50.4	+0.3	37.3	-2.0	29.3	+1.1	48.0	+0.3
Neshaminy Falls.....	29.3	-0.5	36.1	+6.2	39.2	-0.2	47.8	-1.5	63.1	+3.0	69.8	+0.7	72.2	-1.6	74.4	+2.5	65.2	-0.3	53.0	-1.0	39.2	-3.4	33.4	+1.2	51.9	+0.4
New Bloomfield.....	30.0	.....	33.6	.....	39.0	.....	47.2	.....	63.4	.....	70.3	.....	71.8	.....	73.7	.....	64.8	.....	52.6	.....	39.4	.....	33.8	.....	52.4	.....
Palmerton.....	28.8	-1.0	33.0	+4.1	37.0	-0.6	45.8	-1.5	62.8	+3.2	69.5	+1.6	73.0	-0.4	74.8	+3.8	65.1	+1.2	52.5	+0.5	39.6	-2.5	33.4	+1.8	51.3	+0.9
Philadelphia.....	34.4	+1.8	39.4	+5.5	41.7	+0.9	50.4	-1.7	66.4	+3.5	73.2	+1.8	76.2	0.0	77.8	+3.0	69.2	+1.2	57.6	-0.2	44.9	-0.8	38.1	+1.8	55.8	+1.4
Phila-Navy Yard.....	32.9	-0.4	38.7	+5.1	41.1	-1.0	49.6	-1.8	66.2	+3.6	72.7	+0.7	75.8	-0.6	77.8	+2.9	69.2	+0.7	57.0	-0.3	44.4	-1.6	38.4	+2.6	53.3	+0.8
Phoenixville.....	31.2	0.0	37.8	+5.5	41.8	+0.6	50.1	-1.6	65.2	+3.2	73.0	+1.4	74.4	-1.2	76.4	+2.5	68.0	+1.0	55.2	+0.1	41.9	-1.6	36.1	+2.5	54.3	+1.1
Port Clinton.....	30.2	+1.0	34.4	+5.0	38.8	+0.3	48.0	-1.6	63.2	+2.1	70.6	+1.4	72.6	-0.9	74.0	+2.6	65.4	0.0	53.3	-0.2	40.6	-1.2	35.1	+3.1	52.2	+1.0
Quakertown.....	28.6	+1.7	34.5	+5.7	38.6	+1.1	47.2	-1.3																		

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	47.9	100	-31	45.91	39.7	130	110	116	140
1889.....	49.8	96	-27	52.67	22.3	136	112	113	140
1890.....	50.5	101	-18	51.28	55.5	141	106	116	143
1891.....	50.6	100	-14	45.65	34.1	124	124	108	133
1892.....	49.3	103	-28	41.30	54.0	125	123	106	137
1893.....	48.7	102	-25	44.26	61.6	126	116	120	129
1894.....	51.3	103	-28	43.69	63.1	117	132	116	117
1895.....	49.4	104	-25	33.51	39.7	104	143	115	107
1896.....	50.5	101	-26	41.95	42.4	114	124	113	129
1897.....	50.0	103	-12	42.73	37.2	124	128	106	131
1898.....	51.3	107	-16	45.49	38.8	130	123	107	135
1899.....	50.0	101	-39	40.93	47.9	112	134	111	120
1900.....	51.5	104	-23	37.31	33.3	111	130	114	121
1901.....	49.4	107	-22	45.54	35.4	123	118	111	136
1902.....	49.6	100	-24	47.29	60.3	125	123	115	127
1903.....	49.6	99	-17	46.27	37.3	121	130	105	130
1904.....	47.5	99	-42	40.44	50.8	127	133	104	129
1905.....	49.4	99	-25	43.34	40.9	128	133	109	123
1906.....	50.8	99	-21	42.78	45.0	129	128	104	133
1907.....	48.5	98	-23	45.45	54.5	132	136	102	127
1908.....	50.9	104	-29	39.58	54.4	108	157	104	105
1909.....	50.2	100	-19	37.38	41.4	117	140	102	123
1910.....	49.9	99	-22	38.99	67.6	119	135	99	131
1911.....	51.1	105	-18	45.52	39.2	133	131	93	141
1912.....	49.0	100	-35	44.13	38.6	126	133	99	134
1913.....	51.7	102	-9	43.25	24.4	125	148	84	133
1914.....	49.3	101	-28	38.24	64.2	122	144	97	124
1915.....	50.1	99	-26	44.26	42.8	131	141	99	125
1916.....	49.6	103	-31	40.98	51.4	133	153	100	113
1917.....	47.3	105	-29	41.71	45.6	130	143	110	112
1918.....	50.2	108	-34	44.06	43.4	124	156	98	111
1919.....	51.1	104	-23	46.86	26.2	136	152	96	117
1920.....	49.2	99	-23	40.63	46.0	101	146	102	118
1921.....	53.1	104	-15	41.80	30.2	130	155	96	114
1922.....	51.4	100	-19	34.88	39.1	119	155	97	113
1923.....	50.4	103	-20	39.17	40.7	125	158	91	116
1924.....	48.4	102	-25	43.13	44.1	123	151	97	118
1925.....	50.3	104	-29	37.86	44.2	124	149	101	115
1926.....	48.7	105	-20	43.11	49.8	135	136	99	130
1927.....	50.9	100	-24	42.30	30.3	140	142	91	132
1928.....	50.5	99	-23	42.06	37.8	131	145	102	119
1929.....	50.5	101	-20	44.21	36.7	129	144	99	122
1930.....	51.2	108	-24	28.82	27.6	110	153	94	118
1931.....	52.8	105	-16	37.36	22.5	123	151	94	120
1932.....	51.6	105	-14	39.02	27.8	121	152	92	122
1933.....	51.7	107	-22	45.43	33.1	135	146	96	123
1934.....	50.6	107	-34	39.17	30.4	118	159	95	111
1935.....	50.2	104	-26	40.43	49.7	136	138	92	135
1936.....	50.4	101	-14	46.62	27.1	139	134	96	135
1937.....	50.7	101	-20	40.31	30.1	131	142	95	128
1938.....	51.8	100	-18	37.06	33.8	126	142	97	126
1939.....	51.7	101	-18	37.06	33.8	126	142	97	126
Period.....	50.2	111	-42	42.14	41.7	125	136	105	124

KILLING FROSTS OR FREEZING TEMPERATURE

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
Allentown.....	Apr. 15	Oct. 15	Lawrenceville.....	May 15	Sept. 18
Altoona.....	May. 2	do. 13	Lebanon.....	Apr. 14	Oct. 16
Bedford.....	do. 4	do. 15	Meadville.....	May 14	do. 14
Brookville.....	do. 15	Sept. 18	Midland.....	do. 1	do. 15
Carlisle.....	Apr. 21	Oct. 16	Muncy Valley.....	do. 16	Sept. 18
Center Hall.....	May 1	do. 15	New Castle.....	do. 14	Oct. 15
Chambersburg.....	do. 4	do. 16	Newell.....	Apr. 14	do. 14
Chambersville.....	do. 14	Nov. 2	Philadelphia.....	do. 13	do. 15
Claysville.....	do. 14	Oct. 3	Pittsburgh.....	Mar. 29	do. 15
Clearfield.....	do. 15	do. 13	Port Clinton.....	May 26	do. 16
Coatesville.....	Apr. 21	do. 15	Quakertown.....	do. 17	do. 16
Corrv.....	May 14	Sept. 22	Reading.....	Apr. 13	Nov. 4
Coudersport.....	do. 15	do. 20	Retreat.....	May 5	Oct. 15
Emporium.....	do. 15	do. 19	Ridgway.....	do. 15	Sept. 18
Ephrata.....	Apr. 14	Oct. 16	Scranton.....	Apr. 16	Oct. 16
Erie.....	do. 16	do. 18	Selinsgrove.....	May 4	do. 15
Franklin.....	May 14	do. 15	Sharon.....	do. 15	do. 15
George School.....	Apr. 13	do. 16	Somerset.....	May 15	Sept. 18
Gettysburg.....	May 1	do. 16	State College.....	do. 3	Oct. 15
Gordon.....	do. 16	do. 13	Stroudsburg.....	do. 15	do. 17
Gouldsboro.....	.....	Sept. 18	Towanda.....	do. 15	do. 15
Greensburg.....	May 4	Oct. 15	Uniontown.....	do. 4	do. 15
Greenville.....	do. 14	do. 15	Vandergrift.....	do. 4	do. 13
Grove City.....	do. 12	do. 13	Warren.....	do. 14	do. 13
Harrisburg.....	Apr. 13	Nov. 4	Waynesburg.....	do. 14	do. 13
Hawley.....	May 16	Sept. 19	Wellsboro.....	do. 12	Sept. 19
Huntingdon.....	do. 12	Oct. 13	West Chester.....	Apr. 14	Oct. 16
Johnstown.....	do. 3	do. 15	Williamsport.....	May 2	do. 15
Kane Forest Station.....	do. 14	Sept. 18	Williamstown.....	do. 1	do. 14
Lancaster.....	do. 4	Oct. 15	York.....	do. 4	do. 16

MONTHLY STATE DATA FOR 1939

Month	Temperature						Precipitation					
	Mean	Dep. from normal	Highest sta. mean	Lowest sta. mean	Highest	Lowest	Average	Dep. from normal	Greatest	Least	Greatest in 24 hrs.	Average snow
January ...	30.3	+1.8	36.2	19.4	69	-18	3.14	-0.12	5.93	1.38	2.59	15.2
February ..	33.7	+5.3	42.6	26.2	74	-10	4.45	+1.57	8.60	2.33	1.88	6.2
March.....	38.6	+0.9	45.4	30.6	85	-10	3.59	+0.09	5.75	1.98	2.60	3.8
April.....	46.7	-1.9	53.8	39.5	90	9	3.70	+0.27	6.83	1.16	2.16	1.0
May.....	62.8	+3.2	69.4	56.2	99	20	1.68	-2.25	3.66	0.21	2.20	T.
June.....	69.9	+1.8	76.4	59.4	101	35	4.46	+0.33	10.96	0.83	4.02	0.0
July.....	71.7	-0.5	78.6	62.6	100	36	3.12	-1.15	8.23	0.49	4.28	0.0
August.....	73.3	+3.0	79.6	65.5	98	41	2.98	-1.23	9.65	0.41	6.74	0.0
September..	65.9	+1.7	71.5	58.0	101	27	2.95	-0.44	6.27	0.70	3.40	0.0
October.....	53.6	+1.0	59.4	43.2	92	15	3.88	+0.64	6.69	2.38	2.88	T.
November..	39.7	-1.6	45.4	28.2	76	11	0.97	-1.87	3.20	0.23	1.80	1.6
December..	33.9	+2.6	39.6	27.3	68	-8	2.24	-0.84	4.47	0.93	1.64	6.0
Year.....	51.7	+1.5	79.6	19.4	101	-18	37.06	-5.00	10.96	0.21	6.74	33.8

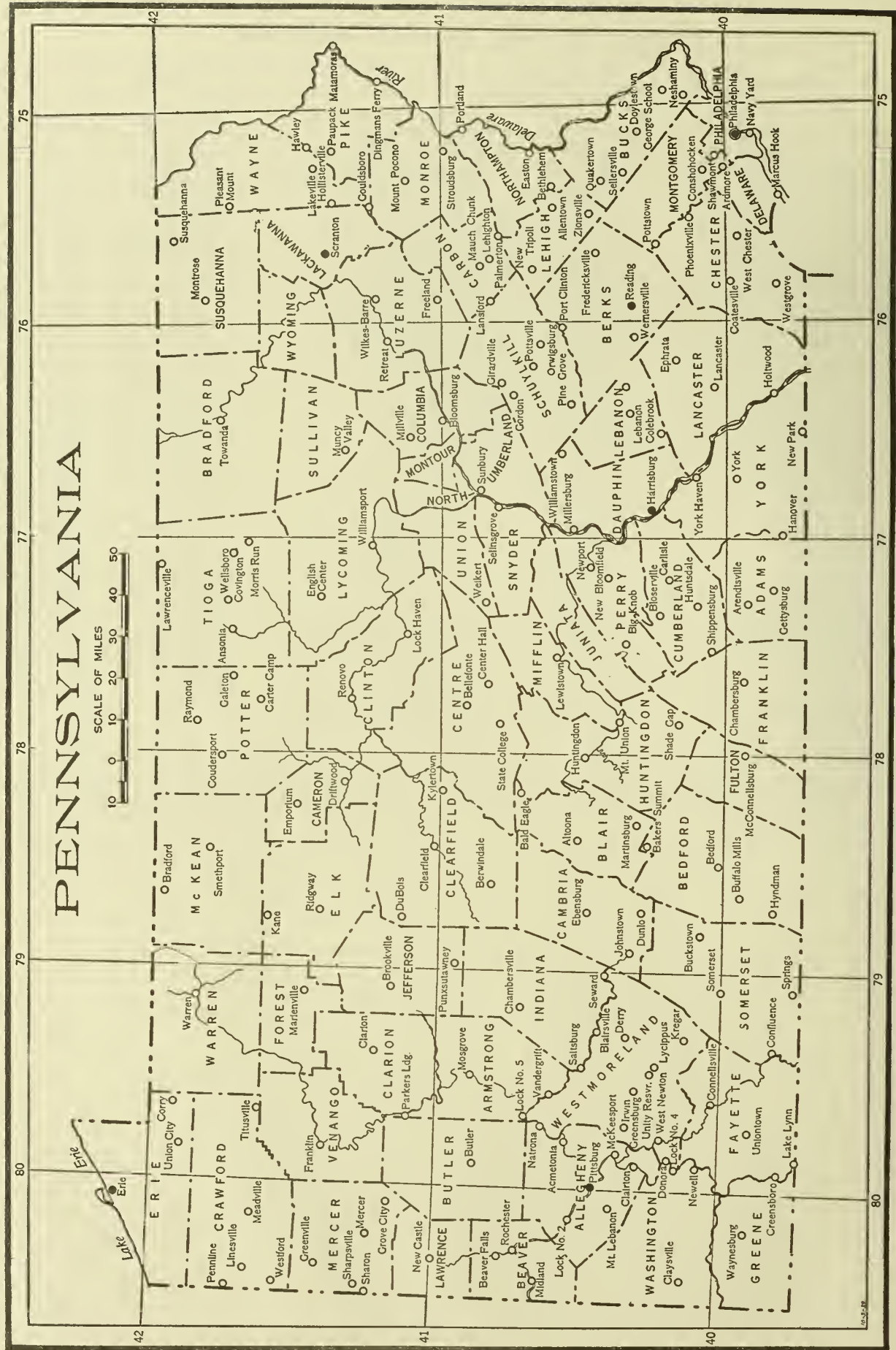
COOPERATIVE AND RAINFALL OBSERVERS

Stations	Observers	Stations	Observers	Stations	Observers
Allentown.....	John A. Frick.	Greensboro.....	John D. Sedgwick.	Philadelphia.....	U. S. Weather Bureau
Altom.....	Robert D. Goodfellow.	Greenville.....	C. P. Clarke.	Philadelphia.....	Commandant, Navy
Ansonia.....	E. N. Jenckes.	Grove City.....	Prof. H. W. Harmon.	Navy Yard	Yard.
Ardmore.....	H. L. Balderston.	Hanover.....	Thomas Y. Cooper.	Phila. Point Breeze..	Atlantic Refining Co.
Arendtsville.....	Agricultural Expt. Sta.	Harrisburg.....	U. S. Weather Bureau.	Phoenixville.....	Phila. Sub-Water Co.
Bakers Summit.....	M. Snyder.	Hawley.....	Mrs. Della M. Pennell.	Pine Grove.....	East Penn Electric Co.
Beaver Falls.....	W. Edward Eakin.	Hollisterville.....	Penn. P. & L. Co.	Pittsburgh.....	U. S. Weather Bureau.
Bedford.....	Charles C. Lee.	Holtwood.....	H. W. Lowy, C. E.	Pleasant Mount.....	J. L. Zettle.
Bellefonte.....	U. S. Airways Radio Sta.	Huntingdon.....	Prof. Paul R. Yoder.	Port Clinton.....	E. E. Rarick.
Bethlehem.....	Lehigh University.	Hyndman.....	John D. Margraff.	Pottstown.....	Daily Mercury.
Big Knob.....	John L. Besstou.	Irwin.....	Westmoreland Water Co.	Pottsville.....	Pottsville Water Co.
Blairsville.....	U. S. Airway Station.	Johnstown.....	Robert Tross.	Punxsutawney.....	J. E. Thomas.
Bloomsburg.....	Bloomsburg Water Co.	Kane Forest Station..	U. S. Forest Service.	Quakertown.....	John E. Kemmer.
Blossville.....	Mrs. Bessie M. Willders.	Kegonsa.....	I. A. Knupp.	Reading.....	U. S. Weather Bureau.
Bradford.....	City Water Dept.	Kylertown.....	U. S. Weather Bureau.	Renovo.....	C. W. Baird.
Brookville.....	Frank S. Fawcett.	Lake Lynn.....	R. McGeachle.	Retreat.....	Theo. J. Sampson.
Buffalo Mills.....	Nelle R. Brown.	Lakeville.....	Penn. P. & L. Co.	Ridgway.....	West Penn. Power Co.
Butler.....	The Butler Eagle.	Lancaster.....	Supt. Water Works.	Saltsburg.....	Walter B. Sullivan.
Carlisle.....	Clarence E. Miller.	Lansford.....	Lehigh Nav. Coal Co.	Scranton.....	U. S. Weather Bureau.
Center Hall.....	Edward E. Bailey.	Lawrenceville.....	C. P. Darling.	Selinsgrove.....	Dr. George E. Fisher.
Chambersburg.....	Wm. B. Spear.	Lebanon.....	Lebanon Valley Gas Co.	Sharon.....	H. H. Gerber.
Chambersville.....	John E. Lewis.	Lehighton.....	Paul Artz.	Shawmont.....	Winfield S. Guiles.
Clairton.....	Carnegie-III. Steel Corp.	Lewisville.....	Penna.-Edison Co.	Shippensburg.....	Keith B. Allen.
Clarion.....	Clarion River Power Co.	Lock Haven.....	Cecil Craig.	Smithport.....	A. Z. Hileman.
Claysville.....	J. L. Melvin.	Lock No. 3.....	Joseph A. Beaver.	Somersett.....	D. L. Grove.
Clearfield.....	Otto J. W. Eppers.	Lock No. 4.....	H. S. Engineer.	Springs.....	Allen E. Yoder.
Coatesville.....	Howard L. Pyle.	Lock No. 4.....	U. S. Engineer.	State College.....	C. A. Kern.
Colebrook.....	William A. Rorer.	Lock No. 4.....	H. S. Engineer.	Stroudsburg.....	State Teachers College.
Confluence.....	Grant Pyle.	Lock No. 5.....	U. S. Engineer.	Sunbury.....	Chas. W. Baylor.
Connellsville.....	Vincent L. Atkies.	Lock No. 8.....	H. S. Engineer.	Susquehanna.....	Raymond J. Holleran.
Conshohocken.....	Russell C. Erb.	Lycippus.....	Westmoreland Water Co.	Towanda.....	Mrs. M. Ordella Parks.
Corry.....	Penn. Electric Co.	Marcus Hook.....	Sun Oil Co.	Uniontown.....	Wm. W. Marsteller.
Coudersport.....	Philip R. Shaw.	Matamoras.....	John Bisland.	Unity Reservoir.....	Westmoreland Water Co.
Dam No. 7.....	U. S. Engineer.	Mauch Chunk.....	Daniel McElwaine.	Vandergrift.....	Carnegie-III. Steel Corp.
Depot No. 2.....	U. S. Engineer.	McKeesport.....	F. W. Shultz.	Warren.....	Harold L. Johnson.
Derry.....	Ted R. Wineman.	Meadville.....	Paul F. Coy.	Waynesburg.....	Thomas S. Knux.
Donora.....	Am. Steel & Wire Co.	Montrose.....	Paul F. Chamberlain.	Weikert.....	David Libby.
Doylestown.....	Geo. Hart.	Morris Run.....	Morris Run Mining Co.	Wellsboro.....	George W. Hill.
Du Bois.....	City Engineer.	Mt. Lebanon.....	Fred Hoffman.	Wernersville.....	Milton J. Sterner.
Ebensburg.....	D. H. Jones.	Mount Pocono.....	Paul C. Hoskinson.	West Chester.....	Harlan Saylor.
Emporium.....	E. M. Poorman.	Mount Union.....	Harry F. Yoder.	Westford.....	Mrs. Nellie C. Collins.
Ephrata.....	Ira J. Keath.	Muncy Valley.....	H. O. Hacker.	Westgrove.....	Conard-Pyle Co.
Erie.....	U. S. Weather Bureau.	Neshaminy Falls.....	Phila. Sub-Water Co.	West Newton.....	A. B. Adams.
Franklin.....	William K. Fuller.	New Bloomfield.....	J. Earl Sheaffer.	Wilkes-Barre.....	U. S. Airway Station
Fredericksburg(near).....	Henry H. Rohrbach.	New Castle.....	New Castle Water Co.	Wilkes-Barre.....	J. B. Mirmak.
Freeland.....	Andrew B. Evansha.	Newell.....	General Chemical Co.	Williamsport.....	Mrs. Ralph F. Keller.
Galeton.....	W. Gale Lush.	New Park.....	C. J. Allen.	Williamstown.....	Susq. Collieries Co.
George School.....	N. W. Swayne.	Newport.....	R. W. Wright.	York.....	C. L. Bott.
Gettysburg.....	Dr. Henry Stewart.	New Tripoli.....	F. Oswald.	York Haven.....	Metropolitan-Edison Co.
Girardville.....	Girard Water Co.	Orwigsburg.....	H. F. Snyder.	Zionsville.....	J. H. Weinberger.
Gordon.....	Sallie M. Johnson.	Palmerton.....	New Jersey Zinc Co.		
Gouldsboro.....	Steward W. Eilenberger.	Parkers Landing.....	Henry Turk.		
Graterford.....	C. K. Kulp.	Paupack.....	Penn. Power & Light Co.		
Greensburg.....	Westmoreland Water Co.	Penn Line.....	Retta Crumb.		

Note: Stations appearing in the precipitation table and which are not here listed are automatic gage stations under the supervision of the U. S. Geological Survey.

Harrisburg, Pa. † River Station. * Midland. ° Coraopolis. ° Acmetonia. ° Charleroi(Monongahela River). ° Natrona(Allegheny River). † Schenley
° Mosgrove

WEATHER BUREAU AND COOPERATIVE STATIONS, 1939



CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

G. S. BLISS,

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No. 1.

GENERAL SUMMARY.

January was decidedly abnormal in both temperature and precipitation. The average temperature for the State was 19.3 degrees, which is 9.1 degrees below the January normal. This made it the fourth coldest January in a period of 53 years. The coldest January was that of 1918, during the World War, when a mean temperature of 16.2 degrees was recorded. The other cold Januaries were 1912 with an average of 18.6 degrees, and 1893 with an average of 19.0 degrees. Despite the low mean for this January, it is noted that its minimum of 16 degrees below zero has been exceeded in 31 of the last 53 years. The lowest January temperature of record for the State was 42 degrees below zero in 1904. This year it was the persistent cold, with temperatures from 10 to 20 degrees below the normal, that accumulated the large temperature departure. The effects of the persistent low temperatures were supplemented a large part of the time by fresh to strong, penetrating winds, that taxed ordinary heating plants to their limits. The average wind velocity at Pittsburgh was 12.2 miles, and at Philadelphia 12.7 miles per hour, or about two miles per hour above the January normal in each instance. This was the driest January of the last 53 years. The average precipitation for the State was 1.41 inches as compared with a normal 3.23 inches. The second driest January was that of 1896, with an average of 1.43 inches, which was very near to the average for this year. In January 1896 the temperatures were near the normal, and a large portion of the precipitation was rain, with a snowfall averaging only 3.4 inches. During this January, with its large temperature deficiency, the snowfall averaged 8.4 inches, or only 2.0 inches below the normal. Nearly one-half of the snow fell in the western third of the State, and fields in the central and eastern counties were bare of snow-cover fully one-half of the time. The region of heaviest snowfall was Somerset, Cambria, and Blair counties, where stations recorded monthly totals ranging up to 29.5 inches. There were a few stations in the northwestern counties where the monthly totals exceeded 20 inches. The regions of least snowfall were Cameron, Sullivan, and Philadelphia counties, with monthly totals of about 3.0 inches. The precipitation was generally light and local in the central and eastern counties after the 19th, but during that period light snow covered the western third of the State almost daily.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 92 stations, was 19.3°, which is 9.1° below the 53-year normal for January. The highest monthly mean was 27.2° at Marcus Hook, and the lowest was 13.0° at Kane Forest Station. The highest temperature recorded during the month was 56° at Marcus Hook, Neshaminy Falls, Philadelphia, Philadelphia-Navy Yard, Donora, and Waynesburg on the 14th,

and at George School and Phoenixville on the 15th. The lowest during the month was -16° at Coudersport on the 7th, at Kane Airway Station on the 19th, and at Somerset on the 29th. The greatest daily range in temperature was 50° at Corry on the 31st.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 163 stations, was 1.41 inches, which is 1.82 inches less than the 53-year normal for January. The greatest monthly amount was 4.74 inches at Westford, while the least was 0.44 inch at Wilkes-Barre Airport. The greatest amount recorded in any 24 consecutive hours was 2.20 inches at Mount Pocono on the 14th.

The average snowfall for the State was 8.4 inches, which is 2.0 inches below the 53-year average. The greatest total snowfall for the month was 29.5 inches at Kane Forest Station and Kregar. The greatest snowfall for 24 consecutive hours was 8.0 inches at Penn Line on the 2d.

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation		No of days.		
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy
1888.....	23.2	61	-19	4.19	14.0	13	5	11
1889.....	29.4	68	-5	3.54	7.8	10	9	13
1890.....	37.5	77	-2	3.04	1.8	14	7	8
1891.....	30.5	64	-4	3.64	9.8	12	6	10
1892.....	26.2	66	-28	4.77	13.5	12	8	8
1893.....	19.0	57	-26	2.85	18.0	12	7	10
1894.....	32.8	65	-9	2.29	7.2	10	9	9
1895.....	24.2	58	-17	4.17	14.2	13	7	10
1896.....	27.6	60	-15	1.43	3.4	6	8	9
1897.....	25.6	74	-25	2.15	11.0	10	8	8
1898.....	30.7	67	-16	4.25	11.0	13	6	8
1899.....	26.6	66	-21	3.05	10.3	10	12	8
1900.....	29.8	63	-8	2.64	5.3	10	8	9
1901.....	29.1	59	-10	2.22	8.6	11	8	8
1902.....	25.6	58	-13	2.80	11.6	9	8	9
1903.....	26.9	68	-13	3.31	11.7	11	6	8
1904.....	20.0	66	-42	3.55	20.4	12	10	6
1905.....	23.8	69	-21	3.70	21.2	12	8	8
1906.....	35.0	85	-4	2.53	4.5	11	10	8
1907.....	30.0	75	-23	4.36	13.2	15	6	7
1908.....	28.4	59	-18	2.68	11.4	9	12	8
1909.....	31.2	72	-19	2.92	12.8	13	9	6
1910.....	27.2	56	-22	5.55	26.0	14	7	5
1911.....	31.6	70	-5	3.54	4.5	13	8	5
1912.....	18.6	57	-35	1.92	13.6	12	8	7
1913.....	36.5	65	3	4.95	4.5	16	9	6
1914.....	30.2	81	-27	3.37	11.7	11	7	7
1915.....	28.3	62	-26	5.56	14.7	13	10	6
1916.....	34.2	76	-12	2.42	1.8	12	9	8
1917.....	27.9	69	-18	3.60	4.2	13	11	8
1918.....	16.2	57	-29	3.51	25.2	12	10	8
1919.....	32.0	64	-15	2.53	6.2	8	14	8
1920.....	20.9	59	-23	2.47	10.0	10	9	8
1921.....	31.0	63	-13	2.58	4.4	10	12	7
1922.....	25.0	62	-19	2.26	16.0	8	14	7
1923.....	29.1	62	-17	4.26	17.6	14	6	6
1924.....	28.1	65	-13	4.34	3.6	8	11	8
1925.....	25.2	55	-29	3.53	29.4	10	11	7
1926.....	27.8	66	-19	2.80	10.5	11	9	9
1927.....	27.4	61	-24	2.90	5.7	13	9	6
1928.....	29.8	65	-23	2.08	6.8	9	12	8
1929.....	27.3	73	-20	3.37	7.6	12	9	9
1930.....	29.2	72	-24	2.75	8.4	12	8	8
1931.....	30.0	65	-12	1.46	4.4	7	12	9
1932.....	40.5	79	9	4.51	1.3	14	7	6
1933.....	37.0	71	-6	2.90	1.9	8	12	7
1934.....	32.2	67	-19	2.54	2.3	11	8	8
1935.....	27.5	72	-23	3.08	13.5	11	11	6
1936.....	23.6	59	-30	4.21	19.4	14	8	7
1937.....	36.7	71	5	6.36	4.3	16	5	7
1938.....	28.9	66	-20	2.51	5.1	12	8	7
1939.....	30.3	69	-18	3.14	15.2	13	8	7
1940.....	19.3	56	-16	1.41	8.4	10	9	7
Period.....	28.4	85	-42	3.23	10.4	11	9	8

Climatological Data for January, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear	Pt. cloudy			Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	254	28	22.3	-7.0	55	14	-1	19	29	1.32	-2.27	1.15	4.9	5	17	11	3	nw.	John A. Frick.
	Altoona.....	Blair.....	1,615	53	15.6	-11.9	39	15	-9	19	29	2.95	-0.05	1.57	27.4	14	12	9	10	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	350	20	20.4	-11.2	53	14	2	20	23	1.89	-1.74	1.67	3.1	5	11	10	10		H. L. Balderston.
	Arendtsville.....	Adams.....	700	18	21.0	-9.1	41	14†	0	18†	30	2.32	-0.68	1.52	6.7	9	17	5	9	nw.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,060	8	18.2		42	15	-5	19	36	2.24		1.10	11.5	7	9	5	17	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	54	23.0	-7.6	38	14†	3	20	23	1.47	-1.98	0.86	5.2	7	14	7	10	w.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	14	21.4		53	15	0	20	36	0.52		0.35	4.0	7	16	8	7		Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	71	21.6	-7.0	40	14†	1	19	31	1.71	-1.47	1.42	4.5	6	12	8	11	sw	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	43	21.0	-8.8	40	31	1	18	33	1.73	-1.71	1.05	11.4	11	9	13	9	ne.	William B. Spear.
	Clearfield.....	Clearfield.....	1,120	39	16.1	-11.1	39	13	-8	19	38	1.43	-2.08	0.53	6.7	15	2	4	25	w.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	380	53	20.0	-10.3	52	14	-2	20	26	1.32	-2.64	1.14	3.7	4	10	6	15	uw.	Howard L. Fyle.
	Colebrook.....	Lebanon.....	560	28	19.8	-8.3	51	14	-1	17	26	1.34	-2.07	1.10	2.3	5	17	3	11	w.	Wm. A. Rorer.
	Emporium.....	Cameron.....	1,050	55	17.6	-8.6	47	15	-8	7	39	1.22	-2.44	0.97	3.0	4	9	0	22	w.	E. M. Poorman.
	Freeland.....	Lancaster.....	380	43	22.4	-8.0	52	15	2	20	24	0.85	-2.22	0.63	5.0	5	14	6	11	n.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,970	47	15.7	-8.5	46	15	-6	20	30	1.68	-1.56	1.02	5.8	9	4	3	24	nw.	Andrew B. Evasusha.
	George School.....	Bucks.....	190	34	22.0	-9.4	56	15	-1	20	33	1.61	-2.14	1.25	3.4	6	14	10	7	nw.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	67	22.2	-7.8	44	15	1	19†	28	1.89	-1.44	1.44	5.8	5	16	4	11	nw.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	840	36	18.6	-8.4	52	15	-1	19†	33	1.71	-2.06	0.73	6.0	7	16	2	13	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,875	25																	Steward W. Ellenberger.
	Hauover.....	York.....	600	36	22.2	-10.6	51	15	0	20	25	0.97	-2.18	0.61	7.0	6	13	6	12	w.	Thomas Y. Cooper.
Harrisburg.....	Dauphin.....	337	71	21.8	-7.2	52	14	2	20	28	1.21	-1.88	1.01	5.0	6	16	6	9	w.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	22	17.0	-8.3	38	15	-10	20	36	1.65	-0.99	1.18	5.2	7	17	6	8	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	25	22.3	-9.4	51	14	3	18	28	1.20	-1.96	0.75	7.5	6	17	6	8	nw.	H. W. Lowy, C. E.	
Huntingdon.....	Huntingdon.....	650	53	19.1	-9.8	43	14	-3	19	38	1.30	-1.90	1.00	3.2	8	9	6	16	nw.	Prof. Paul R. Yoder.	
Kyertown.....	Clearfield.....	1,694	11	14.4	-13.0	40	14	-9	19	27	1.94	-0.61	0.83	12.7	24	.....	.....	.....	.....	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	255	63	20.4	-9.7	46	14	-7	1	32	1.16	-2.03	0.95	5.5	5	21	2	8	nw.	Supt. of Water Works	
Lawrenceville.....	Tioga.....	1,000	43	16.9	-8.4	47	15	-5	19	33	1.09	-0.88	0.54	8.0	7	5	6	20	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	469	56	20.2	-9.0	53	14	-2	20	29	1.72	-1.62	1.14	6.5	4	20	1	10	w	Lebanon Valley Gas	
Lewistown.....	Mifflin.....	500	2	21.6	.....	46	15	1	19	31	1.26	.....	1.13	1.9	4	5	4	22	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	580	50	20.8	-7.4	47	15	0	19	30	1.13	-2.01	0.70	4.0	5	3	19	9	uw.	Joseph Beaver.	
Marcus Hook.....	Delaware.....	50	14	27.2	-8.2	56	14	8	19	25	1.13	-2.41	0.98	3.2	4	19	3	9	w.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,620	35	15.7	-7.6	40	15	-5	19†	20	1.36	-1.09	0.89	4.0	10	4	16	11	nw.	Philip F. Chamberlain.	
Mt. Pocono.....	Monroe.....	1,720	34	15.5	-7.9	40	15	-8	20	31	1.43	+1.46	2.20	7.0	5	10	9	12	nw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	1,045	28	18.0	-7.4	49	14	-5	18	31	1.44	-2.00	0.69	3.0	4	11	10	10	n.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	60	51	20.0	-9.4	56	14	-3	18	34	1.62	-1.84	1.27	3.6	5	15	4	12	sw.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	2	19.4	.....	46	15	-2	19	36	1.92	.....	1.22	3.7	5	13	6	12	w.	J. Earl Sneider.	
Palmertown.....	Carbon.....	398	22	20.6	-8.6	50	14	0	19	24	1.59	-0.78	1.47	3.2	5	3	11	17	w.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	69	25.3	-7.3	56	14	5	20	23	0.96	-2.34	0.73	2.9	7	11	10	10	nw.	U. S. Weather Bureau.	
Phila. Navy Yard.....	Philadelphia.....	20	24	26.2	-6.8	56	14	7	20	22	1.51	-1.75	1.27	2.4	6	16	6	9	w.	Navy Aerological Office	
Phoenixville.....	Chester.....	100	30	22.0	-8.8	56	15	-2	19	32	1.65	-1.98	1.42	2.3	5	17	7	7	nw	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	407	2	20.8	-8.2	53	15	2	21	28	1.35	-2.17	1.16	5.0	5	20	4	7	n.	E. E. Barick.	
Quakertown.....	Bucks.....	496	55	21.0	-5.8	54	15	0	20	29	1.54	-2.28	1.24	3.0	7	13	8	10	nw.	John E. Benner.	
Reading.....	Berks.....	273	70	23.4	-7.7	53	14	2	20	21	0.66	-2.91	0.39	7.6	6	11	8	12	uw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	46	20.2	-6.4	45	15	1	20	19	0.47	-2.50	0.32	2.8	6	6	13	12	sw.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	455	50	21.2	-7.7	48	14	1	19†	33	1.38	-1.64	0.65	4.3	8	9	13	9	nw.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	44	23.8	-8.2	55	15	5	20	23	1.59	-1.71	1.45	3.0	6	7	15	9	nw.	W. S. Guiles.	
Shippensburg.....	Cumberland.....	660	7	21.0	.....	39	14	0	19	29	1.50	.....	0.86	5.5	5	11	5	15	w.	State Teachers College	
State College.....	Center.....	1,217	56	18.0	-8.9	44	14	-5	19	26	1.26	-1.82	0.68	5.2	6	2	13	16	w.	C. A. Kern.	
Stroudsburg.....	Monroe.....	500	26	21.8	-5.4	46	14	2	20	27	2.73	-0.65	1.90	3.5	8	13	8	10	w.	State Teachers College	
Toxauda.....	Bradford.....	754	46	20.0	-5.8	48	15	0	20	29	0.62	-1.52	0.46	1.5	5	7	19	5	w.	Mrs. M. Ordeja Parks.	
Wellsboro.....	Tioga.....	1,419	70	16.8	-7.4	44	14†	-4	7†	29	0.73	-1.54	0.60	3.1	4	22	3	6	n.	George W. Hill.	
West Chester.....	Chester.....	455	91	22.4	-8.2	54	15	1	20	26	1.83	-1.99	0.95	4.2	5	17	5	9	nw.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	2	20.9	.....	46	15	0	20	26	0.44	-1.95	0.25	3.5	5	.....	.....	.....	.....	U. S. Airways Station.	
Williamsport.....	Lycoming.....	521	54	20.5	-7.2	49	15	0	19	28	2.17	-0.79	1.93	4.9	6	18	4	9	w.	Mrs. Ralph F. Keller.	
Williamstown.....	Dauphin.....	1,275	25	19.2	-9.5	50	14	-4	19†	24	2.22	-0.84	2.06	6.0	6	14	5	12	nw.	Susquehanna Coaleries Co.	
York.....	York.....	400	52	20.0	-10.3	52	15	-5	1†	30	0.95	-2.12	0.68	6.0	5	18	6	7	w.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,173	50	13.8	-10.9	42	14	-11	7	43	1.89	-1.34	0.76	11.1	24	3	1	27		Frank S. Fawcett.
	Butler.....	Butler.....	1,077	27	23.4	-6.3	47	14	-8	19	38	1.90	-1.33	0.80	11.5	9	1	21	9	nw	William C. Faust.
	Chambersville.....	Indiana.....	1,047	39	17.4	-11.9	44	15	-8	19	40	1.32	-2.44	0.30	10.3	16	5	1	25	w.	John E. Lewis.
	Clairton.....	Allegheny.....	1,020	8	19.0	-12.4	48	14†	-8	19	25	0.90		0.26	8.4	14	2	10	19	s.	Carnegie-Illinois Steel Corp
	Claysville.....	Washington.....	1,430	35	18.4	-12.7	53	14	-9	19	33	1.03	-3.22	0.49	11.5	12	9	3	19	s.	

Stations	Drainage Basin	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage																																	
Altontown ²	Lehigh					T.			.05											.02													1.32
Altoona	Juniata		.01		.22		.14	.16			.13	.21	T.	1.57	.14	.06	.12	.06						.05	.02	.06	T.						2.95
Ansonia ²	W. Br. Susq.		T.		.01		T.	.05	T.			.08	T.		.48	T.										T.		T.		T.			0.62
Ardmore ²	Lower Del.				.01			.03					T.		1.67			.05			.13				T.								1.89
Arendtsville ²	Lower Susq.					.01		.22	.01					.18	1.52		.04	.12	.20							.02							2.32
Baker's Summit.	Juniata			.05		.04					.09			.70			.15									.10							1.13
Bald Eagle I.	Middle Susq.		.09		.07	.01					.07		.01	.02			.09									.05	.03						1.47
Bedford ²	Juniata		.15	T.			.20	T.		T.				1.00			.19	.30								.30	T.			T.			2.24
Bellefonte	W. Br. Susq.	T.	T.	T.	T.	T.	.02	.03	.01	T.	.04	.02	T.	.62	T.	T.	.08	.01	.01	T.	T.	T.	T.	T.	T.	.01	.01		T.	T.	T.		0.84
Berwindale	W. Br. Susq.				.08		.09	.02			.08	.02		.58			.07																1.06
Bathlehem.	Lehigh			T.			.06				.02			.18	.86		.01	.01	.33														1.47
Bloomsburg	Susquehanna			.02		T.	.03			.03	.03			.35			.03	.03				T.			T.								0.52
Blosserville	Lower Susq.				T.		.16	T.			T.			.90			.15	.15					T.										1.36
Buffalo Mills ²	Potomac.						.05				.07			.38	.39		.04	.17								.26							1.36
Carlisle	Lower Susq.			.04			.11			T.				1.33	.09		.08		.06							T.							1.71
Carter Camp	W. Br. Susq.			.04							.02	.04			.64			.03															0.81
Center Hall	Susquehanna			.26			.28				.12	.04		1.10			.06	.03								.12							2.01
Chambers-burg ²	Potomac.		.03	.05		T.	.26	.01			.03	T.	.03	1.05		.03	.12	.02						T.		.10							1.73
Clearfield ²	W. Br. Susq.	T.	.02	T.		.09	.01	T.	.12			T.	.29	.01	T.	.53	.10	T.	.06	T.	T.	T.	T.	.06	.01	.06	.04	T.	.02	.01			1.43
Cokesville.	Lower Del.				T.			.05						1.14			.06		.07														1.32
Colebrook	Lower Susq.			.01			.14																										

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Daily Precipitation for January, 1940—Continued from page 3

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage (continued)																																	
Sellersville ¹	Lower Del.						.01	.03							1.23					.06												1.33	
Shade Gap ¹	Middle Susq.				.02		.19						.02	1.25																		1.48	
Shawmont ¹	Schuylkill							.05				.01	T.	.45	1.00		.08		.05													1.59	
Shippensburg ¹	Lower Susq.							.20	T.		.07	T.		.86	.22		.15															1.50	
State College ¹	W. Br. Susq.	T.	T.		.09	T.	T.	.22			.09	T.		.68			T.	.08	T.			T.	T.	T.	T.	.04	T.		T.	T.		1.20	
Stroudsburg ²	Upper Del.	.10			.10			.08					.15	.10	1.90						.15											2.73	
Suabury ²	Lower Susq.					.07		.07	T.				.04	.02	.92		T.	.07	.01													1.20	
Susquehanna ²	N. Br. Susq.			.01		.10		.01					.07	.08	.25	.07				.04					.01		.01	T.	T.	.02	T.		0.67
Towanda ¹	N. Br. Susq.		T.	T.		.03	T.	T.	.01	T.		T.	.03		.16	.09	T.	T.	T.	T.	T.	T.	T.				T.	T.	T.	T.		T.	0.67
Wekert ¹	Lower Susq.					.15								.06	1.70			.06														1.97	
Wellsboro ²	N. Br. Susq.	T.		T.		T.	.03	.04	T.				.06		.60	T.			T.	T.		T.	T.					T.		T.			0.73
Wernersville ² [nr]	Schuylkill						.08	.01			T.	T.			.48			.04	.02	.09													0.72
West Chester ¹	Lower Del.					T.		.11							.95	.60				.10													1.83
Westgrove ²	Lower Del.							.10							T.	1.17			.07	.06													1.40
Wilkes-Barre ² **	N. Br. Susq.			T.		.03	T.	T.				T.	T.		.25	.08	T.	.03	T.	.05	T.	T.	T.				T.		T.	T.			0.44
Wilkes-Barre ² †	N. Br. Susq.					T.	.03	T.	T.				.02	.03	T.	.43	T.		.04	.06													0.61
Williamsport ²	W. Br. Susq.					T.	.02		.05				.13	.03		1.93	T.		.01														2.17
Williamstown ¹	Lower Susq.				.02		.03	.03				T.	T.		1.60	.46	T.	.03		.08													2.22
York ¹	Lower Susq.						.11								.51	.18			.09		.06												0.95
York Haven ²	Lower Susq.						.11								T.	.77				.02	.13												1.08
Zionsville ¹ (near)	Schuylkill					.01		.01						.01	.53	1.24			.15	.48			.26										2.69
Frenton, N. J. ¹	Lower Del.				.05		.02	.09				T.	.01	T.	1.10	.02			.13	T.	.10												1.52
Ohio Drainage																																	
Acemtonia ²	Allegheny	.02	.02	.04	.02	.06	.04		.07	T.			.05	T.	T.	.50	T.	.06	.05	.04	.02	.05			.12	.08	.04	.02	.02	.02			1.34
Beaver Falls ²	Beaver		.04	T.	T.	.08	T.	.05	T.			.01	.05	T.	T.	.39	T.	.10	.10	T.	.05	T.		T.	.30	T.	T.	T.	T.	T.			1.17
Blairsville ²	Allegheny	.04	.07	.09	T.	.11	.08	.04	.03	.05			.08	.15		.12	.04	.10	.15	.09	T.	.04	.08	.02	.03	.09	.03	.02	.02	.02			1.57
Bradford ¹	Allegheny	T.	.21	.06		.03	.03	.01				.12	.07		.52	.02	.02				.02												1.11
Brookville ²	Allegheny	T.	.10	.03	.01	.04	.05	.02	.07				.19	.05		.76	.11	.04	.04	.02	.01	.10	.03	.02	.06	.06	.03	.01	.03	.01			1.89
Bucktown ¹	Allegheny				.01	.07		.06	.02		.01	.06	.03		.36	.02		.21		.03	.07	.03	.02	.05	.10			.01	.01				1.17
Butler ¹	Ohio		T.					.06				.05	.70		.80		.08	.03							.04	.10							1.90
Chambersville ¹	Allegheny	T.	.04	T.		.08	.04	T.	.09	T.		.05	.12		.30	.10	.09	.02			.07	T.	T.		.07	.14	T.	.01	T.				1.32
Clairton ³	Monongahela					.05	.04	.02	T.			.03	.02		.26	T.	.02	.08	.01	T.	.03			.07	.14	T.	.01	T.					0.80
Clarion ²	Allegheny	T.	.02	.02		.04	.02	.04	.08	.03		T.	.25	.08		.85	.03	T.	.04		T.	.01	.05	.05	.08	.05	T.	T.	T.			.02	1.76
Claysville ¹	Ohio	T.	.01		.01	T.		.02				.03	.04		.49	.02	T.	.20	.02		T.	.02			.14	T.	T.	.03	T.				1.03
Confluence ²	Youghiogheny		T.	T.		.05	.06		T.			T.	.10	.03		.40	T.	.08	.15	.14	T.	.03	T.		.12	T.	T.	.03					1.20
Cornellsville ²	Monongahela																																
Coraopolis ²	Ohio			.01		.05	T.		.01			T.	.03	.01	T.	.49	.01	.04	.03	.01	T.	.01	T.		.04	T.		.01	T.				0.75
Corry ¹	Allegheny	.07	.27	.06		.05	.17	.05				.10			.45	T.	.44				T.	.42			.10	.20	.10	.08	.05				2.61
Coudersport ¹	Allegheny		.05	.02	.01	.07	.05		.12			.09	.05		.13	.10	.11	.05	.02		.05			.01	.05	.04	.04						1.66
Derry ¹	Conemaugh		.03			.07		T.	.10			.02	.06	T.	.25	.13	.05	.18	.05	.04	.02	.02			T.	.18	.03	.02	.02	.03			1.30
Donora ²	Monongahela	T.	T.	T.	.04	T.	T.	.02	T.	T.		.01	T.		.19	T.	.11	T.	.01		T.	T.	.14	T.	T.	T.	T.	T.	T.				0.52
Dunlop ¹	Allegheny				.02	.05		.05		.02	.04			.01	.03	.71		.20	.01		.04	.01	.03	.12	.01	.01		.05			.03		1.44
Ebensburg ¹	Conemaugh		.02		.24		.06							.06	.45		.17	.17	T.	.14	.15			.21	T.	.05	.04	.15	.09				2.27
Franklin ²	Allegheny		.06	.05		.03	.07	T.	.03			T.	.15		.29	.08	.02	T.			T.	.05	.02	.02	.07	.05	T.	T.	T.	T.			0.99
Greensburg ²	Monongahela		T.	T.		.04	.02	T.	T.	.03	T.	T.	.04	T.		.43	T.	.09	.14	.05			.01	T.	T.	.16	.01	T.	T.	T.			1.63
Greensburg ²	Youghiogheny	.01	T.	T.		.12	T.	.02	.05	.01		.02	T.	.05	.05	.02	.01	.14	.02	T.	.01	.01	T.	.01	.22	.01	T.	.04	.04				0.86
Greenville ¹	Beaver	.02	.05	T.		.05	.04	T.	.02			.15	.13		.30	.08	.17	.03	T.		.03	.03	.02	T.	.05	.08	.01	T.	T.				1.26
Grove City ¹	Beaver	.05	.04			.10	T.	.02				.05	.06		.30	.03	.02	.01	T.		.04	.04	.01		.10	.06	T.	.01	T.				0.94
Irwin ¹	Monongahela				.06			.03	.01			.03	.04		.22	.01	T.	.14	.02		T.			T.	.14	T.	T.	.08	.04				0.77
Jonestown ¹	Conemaugh	.01	.01		.04	.03	.03	.02	.01		.02	.06			.47	.02	.01	.27	.08	.05	.01	.03	.01	.02	.13	.02	.01	.02	.27				1.65
Kane Airport ¹	Allegheny	.03	.09	.10	.01	.04	.08	.01	.10	T.		.07	.10		.43	.11	.03	.01	.05	T.	.01	.01	.01	.02	.01	.63	.04	.04	.02				1.43
Kearney ²	Youghiogheny	.04	.05	T.	.05	.06	.02	.05	.06			.03		.05	.59	.03	.08	.15	.14	.04	.02	T.	.12	.10	.03	.03	.07	T.					1.81
Lake Lynn ²	Monongahela				.01	.03	.02	.02	.02			.06			.12		.12	.15	.04		.02			.10	.07	.02	.01						0.80
Linesville ²	Beaver		.22	.07		.07	.02																										

Daily Temperatures for January, 1940

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Altoona.....	Maximum.....	15	17	18	23	22	21	22	25	26	29	27	31	35	37	39	25	15	17	11	12	18	20	22	25	23	15	14	19	26	31	33	23.0
Altoona.....	Minimum.....	5	10	8	4	3	1	7	16	10	4	17	23	29	31	24	12	0	4	-9	-6	-1	11	4	17	8	2	3	7	5	5	4	8.3
Belford.....	Maximum.....	18	18	20	24	25	22	26	26	32	30	36	38	38	42	29	20	22	17	14	19	26	24	28	21	14	19	18	29	33	34	25.4	
Belford.....	Minimum.....	8	13	12	3	7	5	2	19	7	-2	23	26	31	33	26	18	8	-2	5	-1	11	14	4	22	12	10	8	10	4	8	2	10.9
Bethlehem.....	Maximum.....	25	26	29	31	29	31	30	27	34	35	34	32	35	38	38	35	23	21	20	19	26	29	30	33	31	25	22	27	32	38	37	29.7
Bethlehem.....	Minimum.....	10	14	14	15	21	10	14	17	17	15	18	25	32	34	33	22	12	10	6	3	11	18	18	19	19	11	11	16	14	15	14	16.4
Bloomsburg.....	Maximum.....	23	26	29	32	27	31	29	23	33	33	29	36	41	44	53	32	21	22	20	13	25	27	29	28	28	21	24	26	31	38	29.4	
Bloomsburg.....	Minimum.....	12	11	15	11	15	7	4	20	13	9	9	27	30	34	32	19	10	5	1	0	12	17	6	21	11	9	7	15	11	12	2	13.3
Brookville.....	Maximum.....	15	17	20	21	40	23	24	26	24	30	31	35	39	42	28	16	15	13	13	12	16	18	25	28	15	13	16	20	27	37	23.6	
Brookville.....	Minimum.....	9	9	6	9	3	-11	-9	-6	-6	5	24	28	29	27	13	2	-7	-9	-9	-1	12	-10	-3	9	5	1	4	2	0	10	4.0	
Butler.....	Maximum.....	17	17	17	21	22	25	22	30	32	33	38	42	47	45	27	19	16	13	12	17	19	28	27	15	12	19	20	24	31	36	32.6	
Butler.....	Minimum.....	8	12	11	0	11	6	18	18	8	5	27	29	32	35	26	15	9	5	-8	-3	9	13	3	20	8	6	5	9	-2	12	2	14.4
Carlisle.....	Maximum.....	24	26	25	28	30	34	25	27	33	33	30	35	31	40	40	33	23	25	23	22	28	33	32	35	25	23	25	28	33	32	40	29.8
Carlisle.....	Minimum.....	10	12	8	13	16	10	10	17	14	5	12	12	30	34	33	21	13	8	1	2	15	15	12	20	8	9	8	14	15	8	5	13.4
Chambersburg.....	Maximum.....	21	23	25	27	30	29	27	26	34	33	30	35	36	39	39	32	22	23	18	19	23	32	27	39	29	19	23	26	32	37	40	28.9
Chambersburg.....	Minimum.....	12	14	10	13	12	9	7	10	10	5	19	27	28	30	29	22	6	1	2	4	16	18	15	22	15	8	9	13	9	8	7	13.2
Chambersville.....	Maximum.....	17	18	16	21	28	21	28	26	27	34	32	36	42	41	44	26	17	15	10	17	20	23	28	27	13	17	19	29	36	37	25.0	
Chambersville.....	Minimum.....	7	12	10	1	7	0	10	20	5	1	25	31	30	27	25	14	7	1	-8	-3	10	12	3	19	8	5	3	8	-3	16	3	9.7
Caysville.....	Maximum.....	15	15	20	30	25	20	26	29	30	32	38	39	45	53	44	29	22	14	8	12	16	24	27	26	23	11	11	32	34	33	25.9	
Caysville.....	Minimum.....	10	12	10	4	8	6	10	22	18	10	20	35	28	33	22	15	9	7	-9	-2	8	10	8	14	5	6	7	8	-1	6	2	11.0
Clearfield.....	Maximum.....	16	18	20	20	20	25	22	23	29	31	26	32	39	38	38	26	17	15	12	10	18	20	27	25	25	14	18	21	27	36	34	21.0
Clearfield.....	Minimum.....	8	11	10	9	6	2	-2	16	3	-1	9	25	28	35	25	11	4	-2	-8	-4	8	12	-4	17	9	5	4	7	6	10	-4	8.2
Coatesville.....	Maximum.....	21	24	25	18	27	30	27	28	37	33	32	37	34	52	50	31	20	21	17	13	26	28	29	30	24	21	21	23	31	35	33	28.0
Coatesville.....	Minimum.....	4	9	9	10	8	5	9	16	14	8	15	25	30	32	29	17	9	2	3	-2	7	7	10	17	15	8	5	13	11	9	15	11.9
Corry.....	Maximum.....	16	20	20	20	20	23	24	26	31	31	32	35	39	40	40	25	20	12	11	11	17	19	30	26	20	13	18	20	28	36	37	24.5
Corry.....	Minimum.....	6	11	10	9	2	1	15	2	-11	1	9	28	25	31	21	4	-6	-2	-15	-8	7	9	4	14	5	3	3	6	8	11	-13	6.1
Coudersport.....	Maximum.....	16	20	23	23	20	25	26	25	27	29	25	31	36	40	41	24	15	11	7	8	17	20	27	23	19	14	16	20	26	36	32	23.3
Coudersport.....	Minimum.....	6	11	12	10	4	2	-16	14	-5	-4	0	22	25	30	23	5	-6	-5	-11	-10	6	10	12	13	9	3	-2	8	10	6	-12	5.5
Donora*.....	Maximum.....	18	15	18	25	28	22	30	27	32	39	41	47	56	55	26	19	18	18	17	18	25	30	28	17	14	22	22	32	36	37	27.1	
Donora*.....	Minimum.....	11	12	8	5	6	10	18	22	13	12	29	37	35	35	26	12	8	5	-5	1	15	10	8	17	10	9	8	8	8	10	10	13.3
Ebensburg.....	Maximum.....	10	10	9	19	32	15	19	20	25	27	34	41	39	36	19	13	12	11	7	10	18	18	21	19	7	11	14	29	29	31	26.3	
Ebensburg.....	Minimum.....	2	7	6	2	2	-1	4	15	9	5	21	22	29	31	19	9	-1	-11	-8	-4	10	3	15	3	-1	-1	5	3	13	4	8.8	
Emporium.....	Maximum.....	17	21	22	24	22	26	24	27	29	28	27	32	38	42	47	32	18	13	12	6	20	21	27	26	25	17	17	22	37	36	34	25.1
Emporium.....	Minimum.....	9	15	14	14	9	5	-8	17	1	2	4	26	27	34	27	13	3	4	-6	-3	5	14	9	18	12	7	6	11	13	13	-5	10.6
Ephrata.....	Maximum.....	22	28	28	29	29	31	27	32	31	34	39	37	50	52	34	22	22	22	16	28	29	29	34	30	22	25	25	30	36	38	30.2	
Ephrata.....	Minimum.....	6	11	10	13	12	10	12	19	15	8	11	29	31	34	33	22	14	9	5	2	11	13	8	21	19	11	10	17	14	12	15	14.7
Erie*.....	Maximum.....	23	23	20	21	23	26	21	24	26	31	36	38	40	45	33	19	15	12	3	17	19	21	26	22	18	16	19	19	30	25	26	23.8
Erie*.....	Minimum.....	13	18	16	16	8	20	9	20	11	18	27	31	30	33	19	11	9	-8	2	15	16	13	18	10	9	9	13	15	14	6	14.3	
Franklin.....	Maximum.....	18	18	18	23	23	22	24	27	30	33	36	37	41	44	29	16	12	4	14	17	20	27	26	14	14	19	20	28	37	33	23.9	
Franklin.....	Minimum.....	10	10	13	11	12	5	2	3	10	6	11	26	30	32	28	14	7	4	-10	-10	0	13	0	2	9	6	4	7	9	-1	8.7	
Freeland.....	Maximum.....	15	19	24	24	21	24	24	20	27	30	22	30	34	36	46	26	13	15	12	10	20	20	28	24	20	16	15	22	28	31	30	24.4
Freeland.....	Minimum.....	4	6	8	7	6	1	5	12	9	12	13	16	28	16	16	11	4	-4	-6	3	9	8	14	11	2	2	7	9	12	5	8.0	
George School.....	Maximum.....	23	28	30	32	26	34	28	29	34	37	31	37	44	56	34	21	22	20	16	30	31	33	30	26	23	30	34	38	40	31.2		
George School.....	Minimum.....	6	9	11	12	12	8	8	18	11	4	8	22	33	33	31	23	14	2	8	-1	8	12	10	20	12	9	8	12	13	11	14	12.9
Gettysburg.....	Maximum.....	27	30	27	35	32	27	25	32	34	31	37	38	39	44	32	26	23	22	20	28	31	28	37	31	23	23	25	32	37	38	30.2	
Gettysburg.....	Minimum.....	11	11	11	12	15	8	17	17	12	6	8	27	30	33	31	22	13	2	1	13	15	13	20	15	7	8	13	13	17	14	14.1	
Gordon.....	Maximum.....	18	24	25	25	29	27	24	29	35	25	34	39	39	52	30	19	21	19	13	23	25	28	26	18	21	23	29	35	33	27.3		
Gordon.....	Minimum.....	5	2	12	5	14	6	1	17	14	2	5	24	29	31	30	18	7	7	-1	-1	5	15	0	10	13	6	7	13	5	6	2	10.0
Greensburg.....	Maximum.....	15	15	15	22	26	23	29	25	32	37	44	38	50	47	29	19	16	11	11	17	22	27	26	25	12	18	16	31	34	32	25.5	
Greensburg.....	Minimum.....	7	12	9	5	7	6	15	22	15	7	27	31	34	29	23	17	9	5	-7	-2	10	15	6	19	8	6	5	7	4	14	8	12.0
Greenville.....	Maximum.....	19	19	19	20	22	25	26	24	35	34	37	40	44	44	28	15	14															

Daily Temperatures for January, 1940—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum....	23	25	27	29	28	31	30	27	28	30	30	35	35	39	53	35	25	23	23	13	25	27	27	31	25	22	22	25	30	35	35	28.8
	Minimum....	7	9	14	13	17	9	12	17	10	6	9	26	32	31	32	20	11	6	4	1	2	17	9	17	10	10	16	29	7	7	8	12.9
Quakertown.....	Maximum....	21	26	28	30	26	32	30	35	28	32	30	35	36	39	54	33	33	21	19	13	25	27	28	31	30	23	21	26	29	33	34	29.8
	Minimum....	7	10	12	14	11	9	10	18	12	3	12	25	32	31	32	21	11	3	5	0	4	14	6	18	11	7	9	14	10	6	13	12.6
Reading*.....	Maximum....	21	27	30	32	30	31	27	28	33	37	32	38	38	53	48	31	18	26	18	18	29	30	31	33	27	23	27	31	37	37	36	30.4
	Minimum....	12	13	15	15	10	15	19	16	19	16	19	28	33	34	31	18	11	13	4	2	14	16	15	22	15	11	11	18	16	17	18	16.5
Retreat.....	Maximum....	22	26	29	29	24	29	27	26	26	30	30	36	41	48	51	32	20	21	20	12	25	29	29	29	26	22	25	26	28	31	33	28.5
	Minimum....	10	12	16	14	15	16	4	18	17	6	8	25	28	32	32	18	11	2	1	-1	8	16	12	12	12	8	5	12	11	10	3	12.7
Ridgway I.....	Maximum....	21	16	18	20	19	24	24	23	26	27	28	29	34	42	46	29	17	7	14	12	14	17	19	26	28	16	14	16	18	27	36	22.7
	Minimum....	8	9	12	11	11	4	-13	-13	5	-2	4	23	24	25	27	11	-2	1	-8	-10	-3	12	-4	4	9	5	4	4	4	7	11	-10	5.4
Scranton*.....	Maximum....	22	24	27	27	25	25	25	26	31	29	38	40	44	45	29	15	20	14	14	25	25	28	25	23	20	16	24	27	30	30	26.4	
	Minimum....	10	14	17	16	9	9	11	17	11	8	12	29	34	32	29	10	8	9	3	1	11	15	15	18	13	9	10	14	18	13	11	14.1
Selinsgrove.....	Maximum....	24	24	26	30	21	31	27	24	31	31	31	35	38	48	43	32	22	23	21	14	25	29	29	33	28	22	29	26	30	35	38	29.0
	Minimum....	11	15	11	10	12	8	8	18	15	6	10	27	28	32	31	19	9	4	1	1	10	14	11	22	16	8	9	15	15	14	5	13.4
Somerset.....	Maximum....	12	10	9	21	21	15	24	26	31	31	30	35	35	39	41	24	15	14	8	7	11	21	21	21	20	6	11	12	32	36	31	21.6
	Minimum....	1	7	5	-8	2	0	-2	16	6	-12	23	26	30	30	20	13	5	-2	-12	-6	5	8	-8	15	5	0	0	0	5	-16	-3	-12	4.7
Springs.....	Maximum....	10	10	10	21	23	13	20	26	27	30	28	37	34	38	40	23	14	14	7	6	10	21	18	20	18	6	11	13	31	30	30	20.6
	Minimum....	-1	4	4	5	1	0	-2	16	5	-4	22	25	28	30	19	12	7	3	-13	-8	4	8	2	18	3	-2	-1	3	3	4	0	6.1
State College.....	Maximum....	17	20	21	23	22	27	22	22	28	32	28	33	38	44	43	29	18	20	10	12	20	22	26	28	19	16	18	20	27	32	34	24.9
	Minimum....	8	10	10	9	18	4	5	15	8	9	15	25	28	32	29	12	6	4	-5	-2	10	9	9	18	8	5	7	10	13	8	11	11.1
Stroudsburg I.....	Maximum....	28	31	27	33	32	30	28	31	33	26	30	34	38	46	39	28	27	29	31	24	20	23	22	23	24	25	21	24	31	33	30	29.1
	Minimum....	12	17	10	15	21	12	15	21	6	10	10	15	30	34	33	21	17	14	18	2	6	8	10	12	11	14	10	12	17	11	10	14.6
Towanda.....	Maximum....	24	28	28	31	28	27	21	28	30	30	27	36	39	45	48	32	18	17	17	17	28	32	29	24	24	22	20	25	32	30	32	28.0
	Minimum....	9	14	17	14	11	7	5	17	10	1	5	26	29	32	31	11	5	5	1	0	9	15	12	15	15	8	5	13	16	9	5	12.0
Uniontown.....	Maximum....	16	17	18	26	26	21	32	31	27	34	40	40	45	53	53	29	20	19	11	12	18	29	27	26	24	14	19	22	34	35	36	27.6
	Minimum....	4	13	12	4	8	8	11	25	18	5	29	37	41	37	27	19	12	6	-11	0	12	13	4	20	10	6	19	11	4	12	5	12.8
Vandergrift*.....	Maximum....	20	20	18	22	21	21	28	30	25	32	32	36	44	49	35	24	12	11	14	17	20	28	28	20	12	17	18	31	34	19	24.3	
	Minimum....	10	13	13	5	10	10	12	13	10	10	28	32	34	35	23	10	9	8	-5	1	13	9	2	16	9	7	6	5	1	8	4	11.6
Warren.....	Maximum....	17	21	22	24	22	23	27	26	29	34	30	35	38	42	42	25	14	12	7	12	19	21	29	25	20	16	17	22	31	37	31	24.8
	Minimum....	11	15	13	13	5	6	-8	15	-6	3	11	28	27	34	24	4	-2	2	-9	-4	11	13	10	16	9	7	4	10	12	12	-4	9.1
Waynesburg.....	Maximum....	17	14	17	23	25	23	28	26	28	32	38	38	49	56	45	28	18	16	9	11	16	27	27	25	21	12	19	22	34	35	35	26.2
	Minimum....	5	11	10	-6	7	7	4	23	18	5	27	35	29	39	25	18	7	7	-9	-2	11	13	4	15	8	5	5	10	-4	9	8	10.9
Wellsboro.....	Maximum....	18	22	25	25	25	26	22	23	22	29	26	35	39	44	44	26	12	15	11	10	23	24	27	23	22	13	15	22	25	28	29	24.3
	Minimum....	7	10	16	12	7	5	-4	16	0	2	5	24	27	34	26	10	4	3	-4	-4	-2	4	17	14	13	5	5	12	15	11	0	9.4
West Chester.....	Maximum....	22	26	27	30	30	32	28	28	32	36	34	38	36	52	54	33	17	21	19	15	28	30	34	28	24	23	27	32	37	37	30.3	
	Minimum....	8	11	11	13	16	7	12	19	13	13	18	28	33	33	32	23	12	5	6	1	8	9	14	19	17	10	8	15	12	11	15	14	16.6
Wilkes-Barre.....	Maximum....	23	26	28	32	25	28	25	26	28	32	30	44	41	44	46	32	17	20	19	11	26	27	30	27	26	24	19	26	29	33	34	28.4
	Minimum....	10	10	15	14	15	9	11	18	13	9	10	27	32	33	32	13	9	5	6	0	7	15	7	18	14	8	7	12	16	11	8	13.4
Williamsport.....	Maximum....	19	25	27	26	25	30	26	25	28	27	26	32	38	45	49	31	16	18	18	13	24	25	27	28	26	22	22	26	29	35	35	27.2
	Minimum....	12	15	15	13	12	7	4	18	11	9	9	25	29	33	31	15	9	8	0	1	11	17	17	21	16	8	8	15	16	15	7	13.8
Williamstown.....	Maximum....	24	26	25	25	24	27	28	26	28	32	31	34	35	50	48	30	19	19	19	9	23	24	28	29	29	21	19	25	30	34	33	27.5
	Minimum....	5	14	9	9	15	3	8	13	12	14	19	22	28	28	28	13	5	5	-4	4	2	12	12	16	11	4	4	2	10	15	11	11.0
York.....	Maximum....	20	26	27	26	32	31	25	25	26	31	33	38	38	50	52	34	28	24	23	16	22	29	29	33	32	23	24	28	34	35	29.6	
	Minimum....	-5	4	8	6	12	2	5	19	5	1	10	30	28	31	31	24	15	-5	4	-4	8	6	4	22	16	6	13	11	5	5	10.5	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. ‡, b, c, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	30.05	30.51	9	29.24	14	10.8	35	se.	11	85	80	80	24
Harrisburg.....	30.08	30.54	10	29.53	14	9.6	27	w.	5	70	57	64	44
Philadelphia.....	30.06	30.54	10	29.55	15	12.7	45	s.	14	62	51	53	55
Pittsburgh.....	30.10	30.53	9	29.36	14	12.2	34	se.	15	89	71	76	26
Reading.....	30.08	30.56	10	29.56	14	12.5	45	se.	14	58	48	53	57
Scranton.....	30.04	30.54	9	29.53	15	7.8	31	se.	14	63	57	57	44

* For any five-minute period.

† Corrected to true velocities

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.....	Delaware.....	2.7	3.7	24	2.1	8	18
Easton.....	Delaware.....	1.2	2.8	16	0.5	6	22
Lehigh.....	Lehigh.....	.....	.....	.....	.....	.....	9
Wilkes-Barre.....	Susquehanna.....	3.4	5.8	20	2.4	9	22
Williamsport.....	Susquehanna.....	1.0	2.0	16	0.6	29	20
Harrisburg.....	Susquehanna.....	3.6	4.2	16	3.3	3	18
Greensboro.....	Monongahela.....	11.2	15.2	15	10.3	29	80
West Newton.....	Youghiogheny.....	2.8	4.8	18	1.4	11	20
Lock No. 4.....	Monongahela.....	11.7	16.5	16	10.7	7	30
Pittsburgh.....	Ohio.....	16.9*	16.9*	16	16.5*	1	25
Midland.....	Ohio.....	16.0*	16.0*	1	15.6*	16	30

* Pool stage.

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

G. S. BLISS.

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No. 2.

GENERAL SUMMARY.

Following an extremely cold January, temperatures became more nearly seasonable in the early days of February and slowly increased to the peak of the month, which occurred at most stations on the 12th. During the remainder of the month there was a slight deficiency on most dates, culminating in the lowest temperatures on the 26th and 27th. The average temperature for the State was one degree above the February normal, and the extremes were not unusual. The lowest temperature of -19° has been exceeded 26 times in the last 53 years, while the maximum for the State of 63° has been higher on all Februarys excepting nine. However, temperature was not so important a factor in the February conditions as precipitation, and especially the snowfall feature of the precipitation. The average snowfall for the State was 19.3 inches as compared with a normal of 10.8 inches. Of this amount from one-third to a little more than one-half of the monthly total occurred in one storm on the 14th and 15th. This storm was attended by gales of wind that caused it to drift very badly, and traffic was tied up on some of the main highways for a matter of three or four days. Most of the snow fences are placed so as to guard against drifting from the west and northwest, and much of the drifting in this storm was from the north to northeast, so that the fences only partly served their intended purpose. The heaviest monthly snowfall was in the northeastern corner of the State in Wayne and Pike Counties. Hollisterville reported a total of 49.5 inches; however, the greatest 24-hour snowfall was in Bradford County with Towanda reporting 24 inches. Considering the precipitation as a matter of water only, the distribution was unusually uniform and generally between three and four inches. Winter grains were generally reported to be in fair to good condition, the exceptions being fields that were seeded so late last fall that they did not become well established before growth was checked by severe freezing. It appears that a little more of the winter grains will be plowed up next spring than usual on account of the severe freezing in January at a time when the snow-cover was light. The temperature and snowfall conditions were favorable in February in nearly all parts of the State, and there seems to have been no further deterioration in the general condition of either wheat or rye.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 95 stations, was 29.4° , which is 1.0° above the 53-year normal for February. The highest monthly mean was 36.2° at Marcus Hook, and the lowest was 18.0° at Gouldsboro. Extremes of temperature ranged from a maximum of 63° at

Waynesburg on the 10th, to a minimum of -19° at Coudersport on the 26th. The greatest daily range in temperature was 54° at Coudersport on the 17th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 178 stations, was 3.16 inches, which is 0.28 inch above the 53-year average for February. The greatest monthly amount was 5.58 inches at at Zionsville, and the least was 1.13 inches at Millville. The greatest amount for any 24 consecutive hours was 3.19 inches at Muncy Valley on the 13-14th.

The average snowfall for the State was 19.3 inches, which is 8.5 inches above the 53-year average. The greatest total snowfall for the month was 49.5 inches at Hollisterville. The greatest 24-hour snowfall was 24.0 inches at Towanda on the 13-14th.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	28.4	63	-31	2.50	7.2	9	7	11	11
1889.....	23.0	60	-27	1.96	8.7	9	7	9	12
1890.....	37.0	72	0	4.32	5.6	11	6	8	14
1891.....	34.8	70	-7	4.61	5.6	12	6	8	14
1892.....	31.6	62	-18	1.75	6.3	9	7	7	15
1893.....	27.3	60	-16	5.92	26.4	14	6	8	14
1894.....	27.6	64	-24	3.53	22.7	11	8	9	11
1895.....	20.2	60	-26	1.22	13.2	6	10	10	8
1896.....	29.4	65	-21	4.90	10.5	11	9	7	13
1897.....	30.6	67	-14	3.28	10.3	9	7	8	13
1898.....	29.4	72	-16	2.23	6.1	9	8	8	12
1899.....	22.7	67	-39	4.05	23.6	12	8	7	13
1900.....	27.1	81	-17	4.22	7.0	11	8	6	14
1901.....	21.7	57	-22	0.96	7.9	8	10	9	9
1902.....	23.9	64	-24	3.99	14.3	10	9	7	12
1903.....	30.5	68	-17	4.49	10.8	10	10	7	11
1904.....	21.8	68	-27	2.41	6.8	11	10	7	12
1905.....	20.8	59	-25	1.70	9.7	8	10	8	10
1906.....	28.0	79	-21	1.70	6.8	7	12	7	9
1907.....	22.8	56	-20	1.91	15.2	8	12	7	9
1908.....	24.8	64	-29	4.65	23.6	11	10	7	12
1909.....	35.8	73	-9	4.84	4.0	14	6	7	15
1910.....	26.6	65	-22	3.59	15.0	11	9	7	12
1911.....	31.0	66	-8	2.27	11.1	10	7	6	15
1912.....	23.7	69	-27	2.20	6.5	8	11	8	10
1913.....	27.4	67	-9	1.84	5.7	9	12	5	11
1914.....	21.8	65	-27	2.78	23.5	10	11	6	11
1915.....	33.3	73	-9	3.90	2.0	9	9	5	14
1916.....	25.7	67	-22	3.08	14.3	12	8	7	14
1917.....	25.6	68	-29	1.46	8.0	10	9	9	10
1918.....	28.2	69	-34	2.46	2.9	9	10	8	10
1919.....	32.0	66	-7	2.23	4.7	11	12	6	10
1920.....	25.6	62	-20	2.44	18.3	11	9	8	12
1921.....	32.8	76	-15	2.59	15.4	10	8	8	12
1922.....	33.0	74	-19	1.99	7.7	10	9	9	10
1923.....	24.6	53	-20	2.16	11.7	12	8	8	12
1924.....	26.9	70	-25	2.94	16.3	10	11	7	11
1925.....	35.6	71	-11	2.16	2.1	8	11	7	10
1926.....	28.7	65	-13	4.06	23.3	12	7	6	15
1927.....	35.0	69	-8	3.48	16.5	13	7	8	13
1928.....	30.3	65	-11	3.42	6.7	11	10	7	12
1929.....	28.0	69	-20	2.87	11.7	9	10	8	10
1930.....	35.1	80	-18	2.69	3.9	11	9	6	13
1931.....	31.9	66	-16	1.98	5.2	9	11	5	12
1932.....	35.3	83	-8	1.64	2.9	10	10	8	11
1933.....	31.3	68	-15	2.30	9.4	10	12	7	9
1934.....	18.1	59	-34	1.31	14.4	7	13	7	8
1935.....	28.9	66	-26	2.67	14.4	12	8	7	13
1936.....	21.5	69	-27	2.33	12.3	9	11	7	11
1937.....	31.4	77	-12	2.32	6.5	10	9	8	11
1938.....	34.1	74	-4	2.85	3.9	12	8	6	14
1939.....	33.7	74	-10	4.45	6.2	13	10	6	12
1940.....	29.4	63	-19	3.16	19.3	13	9	5	15
Period.....	28.4	83	-39	2.88	10.8	10	9	7	12

Climatological Data for February, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr						Precipitation, in inches				No. of days			Prevailing direction of wind	Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in. or more	Clear			Pt. cloudy	Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	254	28	30.6	+1.2	58	12	13	27	29	2.56	-0.80	0.70	14.7	11	14	11	4	ne.	John A. Frick.
	Altoona.....	Blair.....	1,615	53	28.1	+0.6	56	12	7	3	31	2.92	+0.59	1.40	21.5	10	12	8	9	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	350	20	30.4	-1.8	55	12	10	3	27	3.21	-0.26	1.08	12.0	14	8	7	14		H. L. Balderston.
	Arendtsville.....	Adams.....	700	18	32.2	+0.6	57	12	12	37	30	3.96	+1.12	1.27	11.3	12	15	3	11	nw.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,060	8	31.6		60	12	5	17	34	3.10		1.00	13.0	6	13	0	16	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	54	32.4	+1.1	61	12	12	3	28	3.59	+0.48	0.81	19.3	13	12	1	16	w.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	14	29.3	.....	57	12	1	3	40	2.65	.....	24.3	9	15	3	11	.....	Bloomsburg Water Co.	
	Carlisle.....	Cumberland.....	467	71	33.1	+2.9	59	12	12	26	34	4.24	+0.99	1.62	18.5	9	13	2	14	nw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	43	33.0	+1.2	57	12	13	3	28	3.21	+0.55	1.07	12.8	9	9	8	12	ne.	William B. Spear.
	Clearfield.....	Clearfield.....	1,120	39	27.6	-0.7	55	12	1	17	48	4.01	+1.22	1.15	21.5	11	3	10	16	w.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	380	53	29.9	-0.6	58	12	9	3	32	3.06	-0.71	1.03	13.0	13	9	3	17	nw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	560	28	30.5	+0.7	55	12	12	37	30	2.71	-0.70	1.60	11.6	12	15	0	14	w.	Wm. A. Rorer.
	Emporium.....	Cameron.....	1,050	55	27.6	-1.7	54	12	-9	16	52	3.16	+0.34	0.90	19.0	10	12	0	17	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	380	43	32.6	+2.3	55	12	13	37	28	2.71	-0.24	0.95	14.2	12	11	4	14	ne.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,970	47	23.3	-1.4	49	12	0	3	28	3.44	-0.07	1.22	32.2	10	5	2	22	w.	Andrew B. Evanshna.
	Georgetown.....	Bucks.....	190	34	32.8	+1.4	59	12	8	3	31	2.34	-0.72	0.72	10.0	12	10	9	ne.	Prof. N. W. Swayne.	
	Gettysburg.....	Adams.....	553	67	33.8	+2.4	56	12	14	37	27	3.99	+1.23	1.50	10.0	10	13	3	13	ne.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	840	36	28.0	+0.7	56	12	1	22	33	3.55	+0.28	1.15	29.0	12	13	1	15	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,875	25	18.0	-4.2	42	12	-6	27	27	3.03	-0.30		26.8	14	5	2	22	nw.	Steward W. Eilenberger.
	Hanover.....	York.....	600	36	34.2	+1.0	58	12	14	3	27	4.43	+1.62	1.48	6.0	11	10	3	16	n.	Thomas Y. Cooper.
Harrisburg.....	Dauphin.....	337	71	32.3	+2.1	58	12	14	3	31	3.09	+0.03	1.35	13.7	10	8	4	17	nw.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	22	25.6	-0.2	54	12	-8	27	40	3.53	+0.71	1.45	32.3	13	12	5	12	w.	Mrs. Deila M. Pennell.	
Holtwood.....	Lancaster.....	200	25	33.0	+0.3	52	9	15	3	25	3.22	+0.50	1.03	10.5	11	10	5	14	nw.	H. W. Lowy, C. E.	
Huntingdon.....	Huntingdon.....	650	53	29.3	-0.2	61	12	2	16	44	2.67	-0.02	1.42	16.9	9	12	2	15	e.	Prof. Paul R. Yoder.	
Kiarytown.....	Clearfield.....	1,694	11	25.6	-1.1	51	12	3	22	36	3.42	+1.20	1.50	23.3	18	.....	.....	.....	U. S. Weather Bureau.		
Lancaster.....	Lancaster.....	255	53	31.6	+0.6	51	12	10	3	29	2.55	-0.12	0.85	10.0	11	15	2	12	nw.	Sup't. of Water Works	
Lawrenceville.....	Tioga.....	1,000	43	23.6	-1.2	55	12	-16	26	50	2.95	+1.12	1.10	27.0	9	9	8	12	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	469	56	31.4	+1.7	58	12	11	3	31	2.84	-0.29	0.82	13.0	11	14	1	14	nw.	Lebanon Valley Gas	
Lewistown.....	Mifflin.....	500	2	32.0	.....	61	12	12	17	35	2.35	.....	0.91	17.5	7	9	0	20	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	580	50	29.8	+1.4	56	12	0	26	35	3.31	+0.77	1.69	25.0	12	9	6	14	ne.	Joseph Beaver.	
Marcus Hook.....	Delaware.....	50	14	36.2	+1.0	58	11	16	2	23	2.05	-0.52	.....	9.3	14	16	4	9	w.	Smn Oil Co.	
Montrose.....	Susquehanna.....	1,620	35	24.3	+1.4	49	12	0	22	34	3.30	+1.72	1.50	29.0	9	5	7	17	nw.	Philip F. Chamberlain.	
Mt. Pocono.....	Monroe.....	1,720	34	23.1	+1.3	50	12	-3	27	36	4.03	+1.05	1.35	29.0	10	5	14	nw.	Cecil J. Hoskinson.		
Muncy Valley.....	Sullivan.....	1,045	28	25.6	-0.3	54	12	-8	3	49	4.23	+1.83	3.19	28.5	9	14	5	10	n.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	60	51	30.4	+0.5	58	12	10	17	35	3.18	+0.22	1.06	15.5	11	12	5	12	w.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	2	29.4	.....	56	12	3	17	43	3.59	.....	1.53	17.5	8	11	5	13	w.	J. Earl Sneaffer.	
Palmerston.....	Carbon.....	398	22	29.7	+0.7	54	12	10	22	28	2.09	-0.30	1.02	13.0	9	10	2	17	nw.	New Jersey Zinc Co.	
Philadelphina.....	Philadelphia.....	26	69	34.8	+0.9	57	12	15	3	25	2.90	-0.53	0.94	11.7	11	8	8	13	nw.	U. S. Weather Bureau	
Phila. Navy Yard.....	Philadelphia.....	20	24	34.7	+1.0	59	12	16	3	26	2.71	-0.65	0.95	11.6	12	8	3	18	nw.	Navy Aerological Office	
Phoenixville.....	Chester.....	100	30	32.6	+0.3	61	12	9	1	38	3.16	-0.24	1.00	17.0	12	10	9	10	nw.	Philadelphia Sub. Water Co	
Port Clinton.....	Schuylkill.....	407	2	31.0	+1.5	53	12	10	17	27	3.19	-0.13	1.30	19.0	10	16	1	12	n.	E. E. Rarick.	
Quakertown.....	Bucks.....	496	55	30.2	+1.4	57	12	9	17	32	3.15	-0.16	0.67	15.3	13	13	1	15	nw.	John E. Benner.	
Reading.....	Berks.....	273	70	33.0	+2.4	59	12	13	3	26	2.88	-0.66	1.29	19.2	12	9	6	14	nw.	U. S. Weather Bureau	
Scranton.....	Lackawanna.....	746	46	28.2	+0.9	56	12	6	29	26	2.48	-0.67	1.46	21.4	12	7	3	19	nw.	U. S. Weather Bureau	
Selinsgrove.....	Snyder.....	455	50	29.8	+1.3	57	12	4	3	34	3.40	+0.63	0.95	15.7	13	10	6	13	nw.	Dr. George E. Fisher.	
Shawmout.....	Philadelphia.....	51	44	33.3	-0.1	56	12	14	3	28	2.86	-0.32	1.15	10.0	14	9	14	6	nw.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	7	33.2	.....	56	12	9	26	26	2.52	.....	0.75	8.5	9	9	2	18	w.	State Teachers College	
State College.....	Centre.....	1,217	56	28.6	+1.7	57	12	6	26	32	2.72	+0.25	1.17	21.8	11	9	5	15	w.	C. A. Kern.	
Stroudsburg.....	Monroe.....	500	26	29.7	+2.3	51	12	8	22	32	2.70	-0.65	.....	13.8	9	9	10	10	sw.	State Teachers College	
Towanda.....	Bradford.....	754	46	25.8	+0.7	56	12	-7	27	40	3.13	+1.14	1.74	38.7	11	10	4	15	ne.	Mrs. M. Ordella Parks	
Wellsboro.....	Tioga.....	1,419	70	24.4	-0.6	53	12	-10	26	38	3.55	+1.53	0.88	32.4	13	17	2	10	ne.	George W. Hill.	
West Chester.....	Chester.....	455	91	32.4	+1.1	59	12	11	3	30	3.67	+0.17	1.12	14.0	14	14	4	11	nw.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	2	28.4	.....	58	12	3	3	35	2.12	-0.46	0.98	15.3	14	.....	.....	.....	U. S. Airways Station.		
Williamsport.....	Lycum.....	521	54	29.0	+1.1	58	12	6	26	36	4.01	+1.51	1.05	23.2	13	12	3	14	nw.	Mrs. Ralph F. Keller.	
Williamstown.....	Dauphin.....	1,275	25	29.2	-1.1	55	12	5	3	27	2.22	-0.45	0.72	19.0	9	14	2	13	nw.	Susquehanna Collieries Co.	
York.....	York.....	400	52	32.2	+0.9	58	12	12	1	32	3.16	+0.41	1.12	9.0	14	13	4	12	w.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,173	50	22.8	-2.2	52	12	-10	16	38	3.66	+1.53	0.68	21.7	16	4	0	25		Frank S. Fawcett.
	Butler.....	Butler.....	1,077	27	28.9	+0.6	55	11	-4	16	34	3.73	+1.33	1.65	30.5	13	9	10	10	nw.	William C. Faust.
	Chambersville.....	Indiana.....	1,047	39	29.2	-0.4	56	12	1	16	42	3.06	+0.20	0.80	24.8	17	10	1	18	sw.	John E. Lewis.
	Clairton.....	Allegheny.....	1,020	8	31.6	+1.1	57	10	5	2	31	3.66	+1.27	1.02	21.2	17	6	8	15	s.	Carnegie-Illinois Steel Corp
	Claysville.....	Washington.....	1,150	35	30.3	-1.3	60	10	-3	16	41	4.34	+1.87	1.30	28.3	17	11	2	16	n	J. L. Melvin.
	Corry.....	Erie.....	1,430	27	25.5	-0.3	49	12	-2	17	50	2.35	-0.46	0.70	18.0	10	16	4	9	n	Ass'd Gas & Electric Co.
	Coudersport.....	Potter.....	1,665	13	24.0	-0.6	51	12	-19	26	54	3.32	+0.86	1.18	32.0	19	10	4	15	nw.	Philip R. Shaw.
	Derry.....	Westmoreland.....	1,172																		

Daily Precipitation for February, 1940

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh	.06	.03					.14			.05	.48			.19	.70					.46	.26	.02										2.56	
Altoona	Juniata	T.			.12	.34					.16			.39	1.40					.07	.08	.09			.11			.16					2.92	
Ansonia ²	W. Br. Susq.	.06				.27			.01	.13	.26			.51	.14						.34	.06	T.			.04	.5		.02	.06			1.98	
Ardmore ³	Lower Del.	T.	.11			.14			.03	.32	.15			.79	.03				.19	1.08	.06	.03			.02		.28	.01					3.24	
Arendtsville ²	Lower Susq.	T.	.01			.01	.31			.18	.20			1.27	.30						.95	.38	.07			T.	.01	.27	.05			3.96		
Baker's Summit	Juniata				.25	.02			.05	.15	.07			1.50							.78	.15						.31	.04			3.32		
Bald Eagle	Middle Susq.				.07	.40				.09	.06			.37	.60						.10	.57				.06		.27	.05			2.64		
Bedford ²	Juniata				T.	.50					.50			1.00	.30						.50						T.	.30				3.10		
Bellefonte	W. Br. Susq.	T.	.01			T.	.37	.04	T.	T.	.07	.02		.11	.80	.13				.12	.23	.28	T.		T.	.04	T.	.11	T.			2.31		
Berwindale	W. Br. Susq.	.03	.07			.03	.11			.03	.23	.03		.48	.75					.22	.24	.10			.08	.02	.26	.04				3.02		
Bethlehem	Lehigh		.25			.13	.03			.27	.34			.81	.57						.74	.06	.13				.02	.22	.02			3.59		
Bloomsburg	Susquehanna	.02	.07			.13	.14			.22	T.		T.	*	1.62						.24	T.			T.	.02		.20	T.			2.65		
Blosserville	Lower Susq.	T.				T.	.35			.36				2.06							1.15	.15				T.		.27				4.28		
Buffalo Mills ²	Potomac						.19				.23			.95	.19						.50	.2						.23				2.55		
Carlisle	Lower Susq.					T.	.38				.12	.27			.14	1.48				T.	1.41	.18	.02					.24	T.			4.74		
Carter Camp	W. Br. Susq.	.08	.02				.44			.17	.22	.03		.14	.97						.54	.38				.09	.01	*	.24	.04		3.24		
Centre Hall	Susquehanna		.02			.06	.58			.01	.27			.12	1.62						.68							.18				3.70		
Chambersburg ²	Potomac	T.	T.			T.	.35			.13	.18			1.07	.32						.51	.31	.08				T.		.26			3.21		
Chenfield ²	W. Br. Susq.	T.	T.	T.		T.	.01	.48	T.		.09	.42	T.		1.15	.20					.88	.30	.04				T.	.14		.30		4.01		
Coatesville	Lower Del.	T.	.01			.26				.35	.09			.11	.60	.20					.03	1.03	.01	.05			.02		.30			3.06		
Colebrook	Lower Susq.	T.	.02			.16			T.	.25	.06			.14	* 1.00						.01	.58	.12	T.		T.	.10	T.	.27			2.71		
Couchschocken	Schuylkill		.16			*	.19			.27	.28			T.	.98	.36						.97	.06			T.	T.		.28	.13		3.68		
Covington ²	N. Br. Susq.		.03				.15			T.	.10	.35			.65	.50						.50	.50						.15			2.93		
Doylestown	Lower Del.		.08			.19	T.			.17	.15			.01	* .76							.96	.02	T.			.01		.17	.01		2.53		
Driftwood	W. Br. Susq.	*	*	*	*	.22		*	*	*	*	*	*		.35	.97				.40	.36						.11	*	.20			2.61		
Du Bois	W. Br. Susq.	T.	.11			.02	.21	.16		.11	.26	T.		T.	.92	.02					.14	.68	.03			T.	.07	.06		.04		2.83		
Emporium	W. Br. Susq.		.10			.22	.15			.40	.26			T.	.90							.82					.10		.21			3.16		
English Center	W. Br. Susq.			.03		.22				.02	.14											.15	.0				.10		.12			\$		
Ephrata	Lower Susq.	T.	.05			.20	T.			.26	.06			.18	.95	.22				T.	.33	.14	T.			.04		.27	.01			2.71		
Fredericksville ²	Schuylkill		.08	.04			.18			T.	.39			.37	.57							.86	.35	.06			.04		.22			3.16		
Freeland ²	Lehigh		.15	.05	T.	T.		.10			.46	T.		.66	1.22							.32	*			T.	.05	T.	.23	T.		3.44		
Galeton	N. Br. Susq.	.03	T.			.26	.02	T.	T.	T.	.30	.05		T.	1.27	.05				.12	.17	.04	T.		T.	.14	.03	.16	T.		3.64			
George School	Lower Del.		.06			.19	.01			.26	.08			T.	.55	.27						.72	.01	.01			T.	.07	.08			2.31		
Gettysburg	Potomac	T.				T.	.31	T.		.36	.04			.05	1.50	.01				T.	1.25	.19	.01			T.	T.	T.	.07			3.99		
Girardville ²	Lower Susq.		.22	.16		T.	.31	.14		.30				.33	1.90						.36	.12	.01		T.	T.	.01	.30				3.85		
Gordon	Lower Susq.		.19			.23	.01			.22	.12			.02	.85	1.15					.43	.03				T.	.03		.27			3.55		
Gouldsboro ²	Lehigh	.07	.08	T.	T.		.05	T.	T.	T.	.11	.12	.04	.10	* 2.01					.02	.16	.06				T.		.14	.07	T.		3.03		
Graterford	Schuylkill		.06			.07				.18				.84	.33							.11	.05					.31	.09			2.04		
Hanover	Lower Susq.	T.			T.	.23				.40	.09			.08	1.48	.09				T.	1.23	.57	.05			T.	T.	.08	.18	T.		4.43		
Harrisburg ²	Lower Susq.	T.	.01			.08				.33	.01			.32	1.12						.24	.73	.11			T.	T.	T.	.14	T.		3.09		
Hawley ²	Upper Del.		.07	.03		T.	.08			.12	.26			.65	1.45							.33	.32	.18			T.	T.	.22	.01		3.53		
Holtzerville ²	Upper Del.		.12	.05		T.	.20			T.	.29			.59	1.30							.14	.44	.13		.10	.10	T.	.71	T.		4.17		
Holtwood ²	Lower Susq.		.02	.02			.11			.20	.21			.54	1.03							.65	.16	.08					.20			3.22		
Huntingdon	Juniata		T.			.04	.32			.07	.01			.04	1.42							.10	.48				T.		.19	T.		2.67		
Huntsdale	Lower Susq.		.04			.14				.27				.25	1.18	.02					.45	1.04	.20					.12				3.71		
Hyndman ²	Potomac					T.	.16			T.	.20			.80	T.							.47	.04	T.				T.	.32			1.99		
Kylertown ²	W. Br. Susq.	.04	.01	.03		.02	.30	.01		.01	.21	.03		.44	1.18						.33	.48	.05	.11		T.	.01	.14	T.	T.	.12	.30	.01	3.42
Lakeview ²	Upper Del.		.10	.04	T.		.20			.30	.22			.68	1.42							.16	.50	.11			T.		.30			3.83		
Lancaster	Lower Susq.	T.	.03			.20				.28	.10			.18	.85	.15						.45	.16	T.			T.		.15	.03		2.55		
Lansford	Lehigh		.09	T.			.32			T.	.35			.35	.80							.48	.21	T.			T.	.30	.33			3.23		
Lawrenceville	N. Br. Susq.	.10	.10			T.	T.		T.	T.	.30			T.	1.10	.15						.90	.05				.05	T.	.20	T.		2.95		
Lebanon ²	Lower Susq.		.03	T.			.15		.07	.35	.30			.13	.42							.82	.20	.02	T.		.05	T.	.10	.15		2.84		
Leighton ²	Lehigh		.40				.20			.30				.58	.80							.09					.10		.02			1.96		
Lewistown	Middle Susq.				T.	.22				.09	.11			.08	.83</																			

Daily Precipitation for February, 1940—Continued from page 9

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage (continued)																																	
Shawmont.....	Schuylkill.....	.06				.18	.01			.25	.15		.01	.65	.02				1.15	.06	.03					.01		.22	.06				2.86
Shippensburg.....	Lower Susq.....	T.			.01	.29	T.	.29	T.	.29	T.	.12	.75						T.	.61	.22	.02		T.	T.		.21	T.				2.52	
State College.....	W. Br. Susq.....	T.	.09		.09		.14	T.	T.	.13	.03		.27	1.17	T.				.25	.12	.17	T.		T.	T.	T.	.26	T.				2.72	
Stroudsburg ²	Upper Del.....	.15				.18				.25				* 1.25							.65	T.					.22	T.	T.			2.70	
Suabury ²	Lower Susq.....	.03	.08			T.	.29			.03	.30	.05		.78	1.21					.08	.19	.03		T.	T.	.04			.14	T.		3.25	
Susquehanna ²	N. Br. Susq.....	.06	T.			.11		T.	T.	.08	.21			.63	1.52					.31	.17			T.	T.	.02			.12			3.23	
Towanda.....	N. Br. Susq.....	.04	.10	T.	T.	.04	T.	T.	T.	.15	.04		T.	1.74	.26				T.	.61	.03	T.		T.	.01	T.		.11	T.			3.13	
Weikert.....	Lower Susq.....	.10			.25		.05			.10	.15			1.20						1.35												3.26	
Wellsboro ²	N. Br. Susq.....	.06	.01			.15	T.	T.	T.	.13	.32			.88	.69					.56	.48	.08		T.	.04	.05		T.	.10			3.55	
Wernersville ² . [nr]	Schuylkill.....	.01	.02			.14	T.			.34	.02		.18	1.15	T.				.05	.39	.09	T.		T.	.05		.20	.30				2.64	
West Chester.....	Lower Del.....	T.	.01			.18			.33	.10			.04	.90	.41				.01	1.12	.12	.08				.01	T.		.25	.11			3.67
Westgrove ²	Lower Del.....	T.	.02	.04			.21			.20	.20			.16	.37					.42	.21	.08				.06			.28			2.25	
Wilkes-Barre ²	N. Br. Susq.....	.02	.11	T.	T.	.12	T.		T.	.11	.17		T.	.80	.44					.04	.04	T.		T.	.02	.03		.17	.03	.02		2.12	
Wilkes-Barre ²	N. Br. Susq.....	.12	.04			.16	T.		T.	.03	.27			.32	1.11	T.				T.	.05	.02			T.	.04			.15			2.31	
Williamsport ²	W. Br. Susq.....	.10			.03	.35				.04	.14			1.05	.74					.74	.61				.02	.01		T.	.17	.01		4.01	
Williamstown.....	Lower Susq.....	T.	.08			.13	T.			.11				.72	.46					.53	.12	T.						.06	.01			2.22	
York.....	Lower Susq.....	.01			.22			.33	.05		.07	1.12	.04		.83	.23				.83	.23	.02			.04			.16	.02			3.16	
York Haven ²	Lower Susq.....					.11			.06	.36				.75	.25					.75	.20	.04				.10			.22			2.84	
Zionsville, (near).....	Schuylkill.....	.30	.31			.15				.97				.65	1.26					.84	.22	.23			T.			.65				5.58	
trenton, N. J. ¹	Lower Del.....	T.	.16			.20	.01			.26	.23		.01	1.11	.18				.11	.45	.02	.01			T.	T.		.19	T.			2.94	
Ohio Drainage																																	
Acmetonia ²	Allegheny.....	.13			.08	.06	.33	T.		.16	.41			.88	.35					.29	.09	T.		.02	.02	.06	T.	.07	.45	T.		3.40	
Beaver Falls ²	Beaver.....	T.	.06		.10	T.	.31	T.	T.	.23	.73			.64	.55					.83	.21	.01		T.	T.	.08	T.	.05	.27	T.		4.69	
Blairsville ²	Allegheny.....	.10	.05	T.		.04	.16	.05	.02	.03	.05			1.11	.42					.10	T.	.03		T.	.10	.05	.02	.03	.99			3.38	
Bradford.....	Allegheny.....	T.	.20			.18	T.	T.	.11	.25	.38			.62					T.	.30	T.			T.	.27			.15				2.46	
Brookville ²	Allegheny.....	.13	T.		.03	T.	.47	T.	.03	.42	.32			.68	.20				*	.61	.22			.02	.02	.23		.02	.26	T.		3.66	
Buckstown ¹	Allegheny.....	.01	.05		.07	.23	.04			.25	.03			.40	.60				.02	.26	.49	.05			.04	.01	.01	.20	.04	.03		2.83	
Butler ²	Ohio.....	.15			.07	.05	.01		.52	.05			T.	* 1.65						.53	.12			.09		.49						3.73	
Chambersville.....	Allegheny.....	.02	.12		.08	.42	.09	.01	.17	.39			.11	.80					.22	.06	.03			T.	.12	.06	T.	.34	.02			3.06	
Clarton ³	Monongahela.....	.04	.04		.05	.09	.13	.15	.39	.10			.79	1.02					.18	.27	.04			T.	.01	.01		.30	.05			3.66	
Clarion ²	Allegheny.....	.14			.06	.04	.43	.03	.03	.51	.59	.01		.55	.47					.65	.10	.01		T.	.28	.01	T.	.44				4.35	
Claysville.....	Ohio.....	.12	T.		.04	.29	.04	.01	.25	.52	T.		.36	1.30					.34	.24	.35	.02		T.	.03	.02		.39	.02			4.34	
Confluence ²	Youghiogheny.....	.15	T.		T.	.05	.27	T.		.08	.43			.90	.18					.09	.15	.06		T.	.10	T.		.03	.55			3.04	
Connellsville ²	Monongahela.....				.03	.34	T.	T.	.18	.52			1.08	.06					.37	.12	.04		T.	T.	.07	T.	.07	.28				3.30	
Corry.....	Allegheny.....	.20			.25		*	.27	.10					.70					.60					*	*	.23						2.35	
Coudersport.....	Allegheny.....	.02	.07		.21	.11	.02	.04	.20	.15			.01	1.18	T.				.11	.67	.03	.01		.01	.21	.05		.20	.02			3.22	
Derry.....	Conemaugh.....	.19			.07	.15	.12			.17	.36			.45	1.14	.05				.08	.12	.06			.05			.50	.05			3.56	
Donora ²	Monongahela.....	.11			.05	.24	T.	T.	.04	.34	.07			.03	1.57					.07	.09				.04	T.	.18	.16				2.99	
Dunlop.....	Allegheny.....	.04			.07	.20	.02	T.	*	.30				.30	.69				.02	.26	.13	.09	.05		.08	.04	.02	.10	.02	.01		2.50	
Ebensburg.....	Conemaugh.....	.30			.02	.27	.08		.11				.50	1.16	.19				.12		.30				.58	.01	T.	.36	.02			4.08	
Franklin ²	Allegheny.....	.06			.02	.22	T.	.03	.15	.49				.49	.25					.52	.19	T.		T.	T.	.10	T.	.06	.12			2.73	
Greensburg ²	Monongahela.....	.13	T.	T.	.05	.05	.36	T.	.05	.54				1.21	.18					.19	.26	.13		T.	T.	.04	.03	T.	.25	T.		3.47	
Greensburg.....	Youghiogheny.....	T.	.13	T.	.05	.27	.09	T.	.02	.48	.40			.56	1.04				.03	.02	.08			T.	.05	T.	T.	.47	.04	T.		3.28	
Greenville.....	Beaver.....	T.	.05	T.	.02	.34	.05	.02	.02	.48	.40			.73	T.				.02	.63	.03			T.	.25	.05	T.	.28				3.37	
Grove City.....	Beaver.....	.06	.01	T.		.29	.01	.02	.01	.34	.02			.89					.05	.10	.05			T.	.23	T.		.27				2.35	
Irwin.....	Monongahela.....	.11			.05	.24	.01	.01	.01	.30	.19			.39	1.25				.11	.02	.05			T.	.02		.38	.04				3.17	
Johnstown.....	Conemaugh.....	T.	.18		.04	.25	.06		.01	.16	.43			.45	1.26				.05	.29	.07		T.	.02	.09	.02		.53	.03			3.92	
Kane Airport.....	Allegheny.....	.02	.04	T.	.01	.31	.03	.01	T.	.28	.41			.04	.73	.04			.05	.49	.08	T.		T.	.06	.23	.06	T.	.12	.03	T.	3.04	
Keglar ²	Youghiogheny.....	.18		.03	T.	.05	.04	.11	.04	.05	.56			1.12	.20				.25	.12	.13		T.	.02	.11	.02	.07	.43	T.			3.53	
Lake Lynn ²	Monongahela.....	.15			.01	.06	.22	.02		.05	.53			1.20	.29				.20	.25	.07					.05	.01					3.43	
Linesville ²	Beaver.....	.01	T.		.01	.50	T.	.05	.15	.74				.13	.16				.88	.02	.01			T.	.04	.01	.01	.05				2.78	
Lock No. 4 ²	Monongahela.....	.14	T.		.01	.05	.29	.01	.01	.14	.41			1.40	.31				.04	.11	.06		T.	T.	.05	.04	T.	.40				3.47	
Lock No. 5 ²	Allegheny.....	.10	T.		.07	.06	.35	T.	.30	.																							

Daily Temperatures for February, 1940

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona.....	Maximum....	32	31	27	37	38	42	42	39	35	40	56	49	32	32	36	41	34	34	34	36	33	33	40	36	27	25	34	37	.....	36.3	
Altoona.....	Minimum....	11	9	7	21	28	27	24	26	31	28	28	29	19	9	8	10	21	29	30	19	9	21	20	17	8	11	23	22	.....	19.9	
Bedford.....	Maximum....	37	35	32	40	41	40	41	42	46	49	44	60	53	31	31	37	39	40	37	36	35	34	34	42	41	37	30	37	.....	39.6	
Bedford.....	Minimum....	21	11	10	25	29	33	31	30	36	35	38	40	30	22	14	11	6	21	31	33	21	10	25	24	8	16	20	26	.....	23.7	
Bethlehem.....	Maximum....	37	34	37	39	47	46	40	39	43	39	44	61	55	45	31	34	48	47	37	38	38	37	37	40	39	27	26	30	.....	39.8	
Bethlehem.....	Minimum....	19	21	12	29	30	31	34	30	29	32	34	33	37	24	18	16	21	24	33	33	28	17	24	26	27	13	15	19	.....	25.1	
Bloomsburg.....	Maximum....	38	26	41	41	42	41	43	37	37	42	44	57	52	38	35	37	42	39	37	41	38	38	35	40	36	28	27	37	.....	38.9	
Bloomsburg.....	Minimum....	10	18	1	26	26	26	35	31	25	33	34	25	28	23	17	4	2	13	33	32	25	5	12	21	7	8	22	9	.....	19.7	
Brookville.....	Maximum....	28	18	32	35	35	43	32	33	37	38	34	52	33	26	26	29	36	38	33	31	31	32	34	26	26	30	36	.....	32.5		
Brookville.....	Minimum....	9	8	1	-1	6	26	11	26	20	28	30	20	20	24	5	-10	-9	-1	29	31	22	1	2	17	2	7	19	.....	13.1		
Butler.....	Maximum....	34	29	30	36	36	39	37	39	40	40	55	50	32	33	30	37	36	37	37	40	38	31	37	36	28	35	36	.....	36.3		
Butler.....	Minimum....	19	4	13	16	28	33	29	27	36	30	26	39	23	23	11	-4	6	22	29	34	22	7	23	25	18	14	23	29	.....	21.5	
Carlisle.....	Maximum....	42	44	43	41	46	44	46	41	47	44	48	59	52	31	37	39	41	39	36	38	38	37	41	48	43	30	25	37	.....	41.9	
Carlisle.....	Minimum....	24	28	14	23	30	32	40	30	24	34	38	25	34	25	14	14	14	14	32	32	28	14	21	28	25	12	17	21	.....	21.4	
Chambersburg.....	Maximum....	34	36	40	43	45	39	41	45	46	38	45	57	47	33	39	44	44	34	36	37	41	40	39	40	38	33	28	40	.....	40.1	
Chambersburg.....	Minimum....	17	19	13	28	31	34	32	30	27	33	33	29	33	24	16	28	28	30	33	27	16	26	35	25	15	20	23	30	.....	26.0	
Chambersville.....	Maximum....	30	35	28	34	36	44	45	37	39	46	46	56	53	32	29	33	43	43	38	37	36	33	32	39	35	27	34	35	.....	37.6	
Chambersville.....	Minimum....	12	7	7	16	27	32	28	27	26	31	27	30	31	22	6	1	1	29	30	31	20	6	22	21	20	11	20	32	.....	20.8	
Claysville.....	Maximum....	33	32	31	36	35	51	48	44	44	60	55	56	55	31	35	38	43	43	39	37	38	28	35	39	36	27	35	36	.....	39.9	
Claysville.....	Minimum....	11	6	7	20	29	31	26	25	28	38	26	32	27	18	3	-3	2	30	30	31	19	9	23	22	19	8	22	31	.....	20.7	
Clearfield.....	Maximum....	31	29	29	36	37	38	35	35	36	36	55	51	33	36	42	49	46	35	35	36	35	33	39	35	28	26	35	35	.....	36.6	
Clearfield.....	Minimum....	8	12	7	15	25	31	30	26	21	32	27	26	31	20	10	4	24	28	30	20	1	21	19	16	1	10	22	19	.....	18.5	
Coatesville.....	Maximum....	39	33	35	40	44	40	42	41	47	36	41	58	47	34	32	33	39	34	35	36	35	32	35	42	36	24	24	36	.....	37.6	
Coatesville.....	Minimum....	14	15	9	23	26	26	35	29	25	32	26	32	21	17	15	19	23	30	30	25	14	20	23	20	10	15	19	22	.....	22.2	
Corry.....	Maximum....	29	27	35	35	40	42	30	34	31	37	49	36	26	41	32	48	39	36	33	37	33	35	34	30	30	34	35	39	.....	35.2	
Corry.....	Minimum....	8	0	3	10	25	30	24	21	22	3	22	28	21	16	20	14	-2	30	29	17	0	18	19	11	2	9	21	16	.....	15.8	
Coudersport.....	Maximum....	27	27	37	37	36	37	41	30	31	37	51	46	26	31	35	49	39	41	35	35	40	33	35	35	30	22	35	.....	35.2		
Coudersport.....	Minimum....	0	5	0	18	24	30	27	22	25	26	27	28	26	11	11	-8	-5	5	29	28	16	-13	19	7	10	-19	-2	18	.....	12.8	
Donora*.....	Maximum....	35	33	32	38	38	34	37	46	47	58	43	60	38	33	32	33	44	42	44	37	35	31	37	42	36	28	38	38	.....	39.6	
Donora*.....	Minimum....	23	10	15	23	34	35	30	29	35	42	31	35	31	23	-2	11	12	35	37	34	24	19	28	31	24	15	26	34	.....	26.6	
Ebensburg.....	Maximum....	29	26	20	33	36	38	35	37	38	38	33	34	30	28	25	27	38	36	34	36	34	32	28	33	33	33	33	34	.....	32.4	
Ebensburg.....	Minimum....	15	7	5	17	26	26	24	21	29	32	22	30	28	18	6	6	7	24	26	27	16	5	19	20	14	6	13	24	.....	18.3	
Emporium.....	Maximum....	31	29	35	38	36	39	44	33	35	37	39	54	48	40	35	38	51	38	36	39	35	38	33	38	38	28	25	37	.....	37.3	
Emporium.....	Minimum....	13	14	2	22	26	31	31	27	25	29	32	26	33	22	9	-9	-1	17	31	32	21	0	21	17	15	-9	7	22	.....	18.0	
Ephrata.....	Maximum....	38	34	38	42	46	40	41	45	42	42	44	55	47	37	36	39	44	37	38	38	39	39	36	43	36	30	26	39	.....	39.8	
Ephrata.....	Minimum....	16	20	13	28	30	29	36	32	28	34	35	27	33	24	19	17	20	25	34	34	29	17	23	27	25	13	19	23	.....	25.3	
Erie*.....	Maximum....	29	24	30	36	37	38	32	34	31	36	36	49	33	24	25	25	30	36	35	34	29	29	29	37	24	24	30	31	.....	31.8	
Erie*.....	Minimum....	23	7	18	22	31	32	28	27	24	29	26	33	20	19	14	10	14	21	33	29	19	14	23	23	15	11	20	25	.....	22.0	
Franklin.....	Maximum....	29	21	35	38	37	47	33	37	38	37	54	31	29	28	33	49	39	40	36	35	33	32	35	25	27	34	33	36	.....	34.9	
Franklin.....	Minimum....	0	6	6	12	13	29	32	26	27	31	28	27	29	25	13	0	0	6	32	33	23	9	9	22	19	12	14	21	.....	16.7	
Freeland.....	Maximum....	23	24	28	33	41	34	39	33	33	36	39	49	46	33	27	21	37	34	34	33	19	33	24	31	33	23	15	31	.....	31.8	
Freeland.....	Minimum....	18	9	0	18	22	22	28	22	28	20	15	21	29	14	11	6	13	20	18	19	16	7	7	8	14	2	13	12	.....	14.8	
George School.....	Maximum....	40	37	39	42	43	42	47	43	46	37	47	59	53	43	36	36	46	42	37	37	40	40	40	44	42	33	29	38	.....	41.3	
George School.....	Minimum....	20	23	8	24	28	25	37	27	28	31	36	29	32	24	19	15	18	23	33	33	30	18	21	23	31	15	22	21	.....	24.4	
Gettysburg.....	Maximum....	40	36	39	44	47	43	44	44	54	46	44	56	54	36	38	41	42	38	37	39	39	38	39	42	38	32	29	42	.....	41.5	
Gettysburg.....	Minimum....	20	22	14	28	30	32	34	30	25	32	32	32	34	26	21	16	20	27	31	32	28	18	24	27	30	14	19	23	.....	26.0	
Gordon.....	Maximum....	33	29	37	38	45	37	41	39	39	56	51	41	31	33	40	41	31	33	40	37	37	33	33	38	34	23	21	36	.....	37.1	
Gordon.....	Minimum....	7	16	8	26	26	23	33	29	22	32	34	23	26	22	18	12	11	14	31	32	24	1	5	19	21	8	3	19	.....	19.0	
Greensburg.....	Maximum....	33	32	28	35	36	52	50	42	46	58	48	59	52	33	30	33	43	39	41	37	34	32	33	41	35	29	35	37	.....	39.2	
Greensburg.....	Minimum....	17	6	11	18	30	32	28	27	31	37	27	33	31	21	8	4	8	31	33	31	22	17	25	26	20	13	22	30	.....	23.1	
Greenville.....	Maximum....	29	29	35	36	37	41	40	37	37	38	37	52	50	29	31	34	46	46	39	37	35	34	35	35	35	28	36	.....	36.8		
Greenville.....	Minimum....	20	2	14	13	29	35	29	25	29	35	25	29	25	20	8	-5	1	25	32	33	20	7	20	25	16	4	21	28	.....	20.5	
Grove City.....	Maximum....	45	25	40</																												

Daily Temperatures for February, 1940—(continued)

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum....	36	34	38	39	44	44	41	39	46	42	43	53	53	44	32	33	40	42	39	39	40	34	33	39	39	29	25	35	38	.....	39.1
	Minimum....	10	20	11	28	27	24	35	31	23	31	33	33	41	23	19	10	20	19	32	43	27	11	15	22	27	11	10	20	14	.....	22.8
Quakertown.....	Maximum....	37	32	37	39	43	39	43	39	43	40	43	57	49	39	35	32	41	38	37	37	36	34	35	40	39	26	24	34	38	.....	38.1
	Minimum....	9	18	9	27	26	32	35	27	25	31	34	25	30	21	18	15	16	21	32	32	26	15	18	20	24	11	12	20	18	.....	22.3
Reading*.....	Maximum....	42	32	39	42	47	44	44	44	46	37	43	59	48	34	35	35	42	38	40	38	37	36	45	38	28	24	37	40	.....	39.8	
	Minimum....	21	14	13	29	34	34	35	33	34	34	35	36	34	18	20	20	23	26	35	34	26	20	25	27	20	14	18	24	.....	26.2	
Retreat.....	Maximum....	29	29	41	39	41	38	41	37	37	41	45	55	51	39	31	33	35	40	39	40	37	34	31	39	34	24	21	34	37	.....	37.2
	Minimum....	7	16	13	28	24	25	35	29	24	33	27	25	26	22	17	6	8	15	33	32	23	15	11	21	19	6	6	18	18	.....	20.1
Ridgway†.....	Maximum....	35	27	20	34	35	34	46	32	32	35	36	34	52	32	25	22	36	49	37	38	36	35	34	32	35	27	26	27	33	.....	33.6
	Minimum....	-10	10	-1	12	17	27	30	25	23	29	30	27	31	22	8	-9	-9	-2	26	31	20	-4	-4	16	10	-1	-1	16	13	.....	13.2
Scranton*.....	Maximum....	29	28	34	33	40	43	43	35	38	41	43	56	41	27	26	28	35	42	38	39	31	34	32	40	35	21	24	33	37	.....	35.4
	Minimum....	16	11	9	26	28	30	32	30	32	31	34	34	27	18	15	11	17	16	33	30	18	8	13	20	12	8	6	22	17	.....	20.9
Selinsgrove.....	Maximum....	37	28	38	40	40	39	40	39	41	39	42	57	53	39	34	38	40	36	38	39	36	35	35	38	36	28	27	35	39	.....	38.1
	Minimum....	13	19	4	25	28	35	30	26	32	33	27	32	22	18	11	9	18	32	32	26	6	15	24	25	7	12	22	14	.....	21.6	
Somerset.....	Maximum....	30	28	25	34	34	48	44	43	46	43	42	55	49	31	25	44	41	36	34	34	33	25	30	38	33	30	33	33	31	.....	36.3
	Minimum....	0	3	6	15	20	20	24	21	22	23	23	27	28	17	8	-2	-3	26	28	30	16	-2	19	19	18	7	13	29	24	.....	16.5
Springs.....	Maximum....	30	27	21	36	33	45	46	41	47	42	45	51	46	31	25	37	39	32	34	33	34	26	30	38	33	25	34	34	30	.....	35.3
	Minimum....	8	2	6	16	25	20	22	20	24	23	23	27	29	15	7	9	2	25	29	28	10	3	18	17	13	0	19	29	25	.....	17.4
State College.....	Maximum....	32	30	29	37	38	41	37	38	36	36	38	57	41	32	34	36	42	35	36	37	38	36	34	39	32	28	26	37	39	.....	36.2
	Minimum....	18	12	9	22	26	31	30	27	25	32	33	32	32	18	13	9	10	20	33	30	23	7	18	22	20	6	12	22	20	.....	21.1
Stroudsburg†.....	Maximum....	30	31	31	40	38	43	44	39	41	43	49	51	49	33	34	35	34	36	37	40	35	33	34	36	34	32	34	30	42	.....	37.2
	Minimum....	10	15	11	13	28	30	34	32	29	33	30	32	27	29	28	15	18	23	30	31	30	8	10	17	10	18	26	18	10	.....	22.2
Towanda.....	Maximum....	27	26	39	34	41	42	44	38	35	39	42	56	50	29	30	32	38	34	38	38	33	34	35	39	36	25	23	34	36	.....	36.1
	Minimum....	3	8	-1	25	25	31	32	28	29	30	32	31	26	15	15	1	2	3	31	30	16	-5	0	11	13	2	-7	13	7	.....	15.4
Uniontown.....	Maximum....	34	34	28	37	37	59	55	47	51	62	56	62	55	36	33	36	51	44	43	42	36	32	38	45	38	31	37	38	38	.....	42.6
	Minimum....	15	9	10	22	32	33	30	28	30	40	30	35	32	21	7	5	8	32	37	34	24	19	26	26	24	15	25	35	32	.....	24.7
Vandergrift*.....	Maximum....	32	34	32	36	37	50	40	30	38	50	45	59	43	31	26	32	41	37	38	34	33	28	33	41	28	24	35	33	38	.....	36.5
	Minimum....	19	8	16	18	30	34	30	28	30	36	29	28	31	20	12	4	7	32	26	32	22	14	21	28	15	15	24	32	29	.....	23.1
Warren.....	Maximum....	30	28	25	37	35	46	39	31	36	38	36	52	36	29	32	48	41	40	36	32	40	32	36	29	30	27	32	35	.....	35.1	
	Minimum....	9	6	2	16	28	32	28	25	26	35	27	30	26	18	12	-4	-1	19	34	30	20	1	21	20	13	2	18	17	.....	18.2	
Waynesburg.....	Maximum....	33	32	32	35	36	52	49	46	45	63	55	60	53	31	33	32	48	40	40	36	35	32	36	40	35	28	35	36	36	.....	40.1
	Minimum....	16	7	10	18	31	31	27	27	30	38	29	35	30	18	9	-4	0	32	34	31	21	15	21	26	21	12	24	33	32	.....	22.6
Wellsboro.....	Maximum....	28	25	35	38	40	36	41	35	32	38	38	53	46	24	25	26	34	39	37	36	32	29	30	38	33	21	23	33	38	.....	33.9
	Minimum....	6	8	0	25	27	32	30	25	27	30	31	31	24	15	13	-4	0	8	28	29	17	-9	5	9	13	-10	-5	19	7	.....	14.9
West Chester.....	Maximum....	39	35	38	43	47	41	44	44	50	39	46	59	48	38	36	36	45	36	38	37	39	38	38	43	40	30	25	37	41	.....	40.3
	Minimum....	15	16	11	26	29	31	34	30	28	33	33	29	33	23	19	16	21	27	33	32	27	17	22	25	25	12	16	22	24	.....	24.4
Wilkes-Barre.....	Maximum....	30	28	38	34	40	41	43	36	37	43	45	58	48	37	30	31	35	41	38	39	34	36	37	38	36	24	22	33	40	.....	37.0
	Minimum....	12	11	3	26	25	35	29	29	32	35	29	30	18	17	10	8	10	30	30	22	9	14	2	17	8	6	20	9	.....	19.8	
Williamsport.....	Maximum....	23	25	41	38	38	40	36	36	38	41	58	49	38	32	35	43	38	37	39	33	35	34	38	36	26	25	35	38	.....	36.7	
	Minimum....	12	15	7	27	28	32	34	30	26	33	34	26	34	22	17	10	7	16	32	32	12	5	7	19	23	20	6	10	21	.....	21.3
Williamstown.....	Maximum....	32	31	29	37	43	39	40	37	44	42	40	55	53	41	32	34	35	45	39	40	35	30	33	38	33	25	34	38	.....	37.6	
	Minimum....	19	14	5	23	28	29	31	25	28	29	30	30	18	14	11	17	24	27	31	23	10	19	22	15	6	11	16	19	.....	20.8	
York.....	Maximum....	40	35	38	41	43	41	42	43	49	45	44	58	53	37	35	35	38	37	38	37	47	37	30	28	31	42	.....	39.9			
	Minimum....	12	22	15	20	30	29	36	32	27	33	34	26	31	25	21	15	16	24	33	33	28	17	20	25	30	15	18	21	.....	24.5	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. •, •, •, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	30.02	30.57	16	29.37	10	7.9	24	n.	14	87	80	84	33
Harrisburg.....	29.97	30.17	17	29.17	14	9.4	32	n.	14	76	62	64	46
Philadelphia.....	29.95	30.42	17	28.92	14	14.4	42	u.w.	15	69	61	64	45
Pittsburgh.....	30.00	30.50	16	29.30	11	10.9	31	w.	6	86	74	77	30
Reading.....	29.98	30.46	17	29.08	14	12.5	43	e.	14	70	57	64	52
Scranton.....	29.97	30.51	17	29.16	14	7.4	25	n.w.	15	75	60	69	51

* For any five-minute period.

† Corrected to true velocities

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	3.3	3.6	15	3.1	4	18
Easton	Delaware	1.3	2.1	21	0.7	3	22
Lehighton	Lehigh	3.5	4.4	22	2.6	28	9
Wilkes-Barre	Susquehanna	2.9	4.0	15	2.0	8	22
Williamsport	Susquehanna	1.3	4.0	15	0.3	4	20
Harrisburg	Susquehanna	3.7	4.4	23	3.3	15	18
Greensboro	Monongahela	14.8	20.9	12	10.5	5	30
West Newton	Youghiogheny	4.9	18.4	12	1.2	27	20
Lock No. 4	Monongahela	15.3	22.1	12	10.7	6	30
Pittsburgh	Ohio		17.0*	12	16.1*	15	25
Midland	Ohio		19.9*	12	4.4*	6	30

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER

HARRISBURG, PA.

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MARCH, 1940.

No. 3.

NOTICE

In conformity with the policy of the Secretary of Agriculture to have all Section Centers, where possible, at State capitals, the Section Center for Pennsylvania was transferred from Philadelphia to Harrisburg on April 1, 1940. This new arrangement will afford closer cooperation between the State and Federal Departments of Agriculture. All correspondence relative to this publication should be addressed to Weather Bureau Office, 460 Education Building, Harrisburg, Pa.

GENERAL SUMMARY.

March was cold and wet. It was the coldest March since 1916 and only six previous March records have been lower during the last 53 years of record. Slight fluctuating departures from normal were experienced until the 17th with a short warm period on the 18th and 19th, followed by a subnormal period 21st to 26th, and considerably warmer weather 29th to 31st. Like the temperature, the average precipitation of 4.89 inches for the State, has been exceeded only six times in the last 53 March months of record. The total snowfall was barely above normal, the northern counties receiving much more than normal, while the southern portion of the State received but little. The snow mantle, existing at the close of February, was materially increased during March due to continued snows and low temperatures so that a heavy snow cover lay in the mountains and over the northern sections by the third week. Most rivers which were closed by moderately heavy ice sheets since January were opened by the warm period of the 18th and 19th, and the attending slight rise of the rivers. However, very little damage was reported due to the ice gorging. Backwater, caused by a jam at Parkers Landing on the Allegheny River, was the most persistent and remained until the close of the month when general flooding began in all basins, due to the warmer weather and heavy rains of the 27th to 30th. By the 31st the major streams were at or above flood stage. The consequence of this rise will be reported in the April issue.

An abundant supply of moisture had been restored to the soil, which had been alarmingly deficient for several months. Another redeeming feature of the month was its coldness which retarded the growth of vegetation and delayed blossoming of fruit trees. Winter field crops were adequately protected by snow or little thawing. Many inclement days and water-soaked fields prevented any progress of field work.

Many cloudy days resulted in a deficiency of sunshine. A heavy ice storm in the region of Hawley on the 3d resulted in some minor damages and interrupted power and communication services.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 93 stations, was 32.4°, which is 5.2° below the 53-year normal for March. The highest monthly mean was 40.2° at Marcus Hook, and the lowest was 21.4° at Gouldsboro. Extremes ranged from a maximum of 76° at Donora and Uniontown on the 29th, to a minimum of -13° at Kane Airway Station

on the 12th. The greatest daily range in temperature was 52° at Center Hall on the 21st.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 177 stations, was 4.89 inches, which is 1.36 inches above the 53-year normal for March. The greatest monthly amount was 10.55 inches at Mount Pocono, and the least, 1.36 inches at Grove City. The greatest amount for any 24 consecutive hours was 3.14 inches at Scranton on the 30th.

The average snowfall for the State was 7.9 inches, which is 0.4 inch above the 53-year normal. The greatest total snowfall for the month was 35.5 inches at Coudersport; the greatest 24-hour snowfall was 14.0 inches at Smethport on the 4-5th.

OBITUARY.

Mr. Winfield S. Guiles, cooperative observer at Shawmont, died March 4, 1940. Mr. Guiles was one of our oldest observers, having served since March, 1896, a record of 44 years of faithful service.

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	31.2	72	-6	3.55	9.9	11	6	10	13
1889.....	39.0	76	-4	2.90	3.1	9	10	8	15
1890.....	33.2	76	-21	5.15	17.5	16	6	10	15
1891.....	33.8	60	-14	5.10	15.8	14	7	8	16
1892.....	31.8	66	-4	4.14	18.8	12	11	7	13
1893.....	34.8	74	3	2.52	4.8	11	9	9	13
1894.....	43.2	84	-2	1.63	1.3	8	12	11	8
1895.....	33.8	70	-4	2.31	9.0	11	10	10	11
1896.....	30.6	69	-18	4.51	21.1	11	11	8	12
1897.....	39.0	75	-5	3.22	3.4	13	11	7	13
1898.....	44.0	83	4	4.31	3.6	12	10	8	13
1899.....	36.3	75	3	4.87	7.9	14	5	9	17
1900.....	31.2	66	-23	3.61	13.1	10	10	9	12
1901.....	37.4	80	-11	4.14	3.3	13	7	10	14
1902.....	41.3	78	2	3.98	12.6	11	10	9	12
1903.....	46.4	83	14	4.52	0.1	11	10	7	14
1904.....	36.0	80	-2	4.29	4.7	12	9	8	14
1905.....	39.0	86	-18	3.86	4.1	11	12	8	11
1906.....	31.7	68	-13	4.46	20.4	14	8	7	16
1907.....	41.8	92	-10	4.26	9.3	12	11	8	12
1908.....	40.7	83	-4	4.76	3.7	12	11	8	12
1909.....	35.6	74	-5	3.07	7.3	12	10	9	12
1910.....	44.9	88	5	0.56	1.0	5	15	10	6
1911.....	35.0	73	-18	2.57	10.1	13	11	8	12
1912.....	33.6	72	-8	5.05	6.9	13	10	8	13
1913.....	42.1	81	-7	5.27	2.1	13	9	8	14
1914.....	34.2	79	-12	2.61	13.4	10	10	8	13
1915.....	32.9	62	-4	1.28	9.5	7	15	8	8
1916.....	30.7	84	-31	4.12	17.6	12	12	8	11
1917.....	37.3	84	-12	3.68	12.7	14	11	8	12
1918.....	41.6	82	0	2.34	1.5	8	17	7	7
1919.....	41.1	79	6	3.57	2.4	10	15	7	9
1920.....	38.7	80	-11	2.83	6.4	9	16	7	8
1921.....	48.0	88	7	3.33	1.0	14	12	9	10
1922.....	40.0	81	-5	4.37	6.1	14	11	6	14
1923.....	37.0	80	-8	2.49	6.2	11	13	8	10
1924.....	36.1	78	3	2.83	10.3	9	12	9	10
1925.....	40.9	79	-15	2.56	2.2	10	14	6	11
1926.....	33.1	79	-16	1.91	4.0	10	14	8	9
1927.....	42.0	82	-6	2.61	0.7	10	13	7	11
1928.....	37.0	82	-3	3.24	14.5	11	12	9	10
1929.....	43.7	89	-5	2.69	4.4	12	12	8	11
1930.....	37.9	78	-9	3.03	4.9	10	13	7	11
1931.....	36.3	69	10	2.96	6.6	11	8	7	16
1932.....	33.4	72	-8	4.41	14.7	11	10	8	13
1933.....	36.6	79	-7	5.33	5.6	14	8	7	16
1934.....	34.9	78	-22	2.96	7.7	12	12	7	12
1935.....	42.8	83	-6	2.62	2.9	12	11	7	13
1936.....	42.6	84	-3	6.84	7.4	15	9	7	15
1937.....	34.2	67	-3	2.00	8.3	10	11	8	12
1938.....	42.7	87	-5	3.19	2.0	14	10	8	13
1939.....	38.6	85	-10	3.59	3.8	12	11	8	12
1940.....	32.4	76	-13	4.89	7.9	14	8	7	16
Period	37.6	92	-31	3.53	7.5	11	11	8	12

Climatological Data for March, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr								Precipitation, in inches				No. of days			Prevailing direction of wind	Observers	
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in or more	Clear	Pt. cloudy	Cloudy			
Atlantic Drainage.	Allentown.....	Lehigh.....	254	28	32.8	-5.2	63	31	14	23	28	5.59	+2.19	2.05	2.1	12	10	18	3	nw.	John A. Frick.
	Altoona.....	Blair.....	1,615	53	29.5	-7.9	59	31	0	12	32	6.07	+2.79	1.31	9.0	17	13	8	10	w	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	350	20	33.4	-7.4	64	31	13	12	30	6.63	+2.50	2.30	5.4	14	5	12	14		H. L. Balderston.
	Arendtsville.....	Adams.....	700	18	35.1	-4.3	64	31	14	12	32	5.21	+1.73	1.61	3.3	9	12	9	10	nw.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,060	8	34.3		64	18	10	12	39	3.90		1.62	6.0	10	8	2	21	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	54	34.0	-6.4	62	31	14	12	30	5.75	+2.51	1.62	4.4	14	12	3	16	w.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	14	32.5		51	20	9	12	32	7.64		2.20	5.6	14	10	7	14		Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	71	36.2	-2.5	71	31	13	12	35	5.27	+1.96	1.58	3.5	9	10	4	17	nw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	43	35.5	-4.3	65	31	14	12	31	4.44	+1.17	1.46	3.7	6	8	11	12	nw.	William B. Spear.
	Clearfield.....	Clearfield.....	1,120	39	29.6	-7.5	57	18	-4	12	44	5.23	+1.55	1.31	5.0	14	6	3	22	w.	Otto J. W. Eppers.
Coatesville.....	Chester.....	380	53	33.6	-6.2	66	31	12	12	28	4.95	+0.93	1.51	3.7	11	8	5	18	nw.	Howard L. Pyle.	
Colebrook.....	Lebanon.....	560	28	33.9	-5.0	64	31	12	12	28	4.99	+1.16	1.80	3.0	11	11	2	18	w.	Win. A. Korer.	
Emporium.....	Cameron.....	1,050	55	29.5	-5.8	57	31	-4	12	41	3.99	+0.26	0.75	11.0	14	9	0	22	w.	E. M. Poorman.	
Ephrata.....	Lancaster.....	380	43	36.0	-4.1	67	31	15	12	29	4.56	+1.23	0.97	2.7	8	9	6	16	ne.	Ira J. Keath.	
Freeland.....	Luzerne.....	1,970	47	26.0	-6.8	50	31	2	11	28	8.46	+4.09	2.71	13.7	14	4	0	27	w.	Andrew B. Evasusha.	
George School.....	Bucks.....	190	34	35.5	-5.0	66	31	14	12	31	5.29	+1.61	1.82	6.0	11	12	7	12	nw.	Prof. N. W. Swayne.	
Gettysburg.....	Adams.....	553	67	36.7	-3.6	66	31	14	24	38	5.33	+1.81	1.50	3.0	10	11	9	11	e.	Dr. Henry Stewart.	
Gordon.....	Schuylkill.....	840	36	30.8	-5.9	58	31	6	12	36	6.32	+2.43	1.74	8.0	13	8	4	19	w.	Miss Sallie M. Johnson.	
Gouldsboro.....	Wayne.....	1,875	25	21.4	-8.3	46	31	2	12	21	6.76	+3.00	3.12	9.8	14	13	5	13	.....	Steward W. Eilenberger.	
Hanover.....	York.....	600	36	37.0	-5.3	66	31	15	12	31	5.15	+1.84	1.94	6.0	11	10	8	13	nw.	Thomas Y. Cooper.	
Harrisburg.....	Dauphin.....	337	71	35.4	-3.5	66	31	16	24	28	4.99	+1.95	1.72	2.9	11	4	9	18	nw.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	22	28.4	-6.2	55	31	1	12	32	7.01	+4.11	2.60	10.3	14	12	5	14	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	25	36.5	-4.7	62	31	18	12	28	4.20	+1.18	1.09	1.0	9	10	8	18	nw.	H. W. Lowy, C. E.	
Huntingdon.....	Huntingdon.....	650	53	32.0	-6.7	63	31	6	12	37	4.89	+1.43	1.60	6.4	14	6	8	17	w.	Prof. Paul R. Yoder.	
Kyertown.....	Clearfield.....	1,694	11	26.8	-6.7	53	31	0	12	32	5.48	+1.72	1.69	12.3	18	.....	.....	.....	.....	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	255	53	36.4	-3.2	60	30†	14	12	33	6.42	+1.30	1.48	1.8	12	16	6	9	nw.	Sup. of Water Works	
Lawrenceville.....	Tioga.....	1,000	43	27.4	-7.3	55	31	-10	12	38	3.75	+1.45	0.80	16.5	12	6	11	14	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	469	56	33.6	-5.6	66	31	12	12	30	5.47	+1.99	1.87	4.3	9	10	6	15	sw.	Lebanon Valley Gas	
Lewistown.....	Mifflin.....	500	2	34.2	.....	62	31	13	12	27	4.68	.....	1.43	4.0	11	5	6	20	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	580	50	32.6	-5.9	57	31	4	12	28	5.63	+2.26	1.40	11.0	12	5	9	17	sw.	Joseph Beaver.	
Marcus Hook.....	Delaware.....	50	14	40.2	-4.1	69	30	18	11	28	6.36	+2.59	.....	1.0	11	17	3	11	nw.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,620	35	25.4	-6.7	50	28	1	12	32	4.98	+2.31	1.31	21.5	15	3	10	18	nw.	Philip F. Chamberlain.	
Mt. Pocono.....	Monroe.....	1,720	34	25.7	-6.1	53	31	0	12	35	10.55	+6.99	3.00	13.0	13	6	7	18	ne.	Cecil J. Hoskison.	
Muncy Valley.....	Sullivan.....	1,045	28	27.6	-7.4	52	31	-3	24	37	5.76	+2.73	1.83	24.0	18	7	8	16	nw.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	60	51	34.6	-4.6	64	31	11	17	35	5.62	+1.87	1.95	3.3	12	12	5	14	w.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	2	32.6	.....	63	31	10	12	32	5.20	.....	1.19	3.7	11	10	7	14	w.	J. Earl Smeaffer.	
Palmerton.....	Carbon.....	398	22	32.6	-4.6	58	31	13	12	31	6.52	+3.48	1.98	2.6	15	10	5	16	ne.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	69	37.5	-3.3	66	31	18	24	24	4.10	+0.71	1.87	3.2	10	5	12	14	se.	U. S. Weather Bureau.	
Phila. Navy Yard.....	Philadelphia.....	20	24	38.2	-3.8	68	31	19	12	26	5.48	+1.96	1.63	1.2	12	8	5	18	w.	Navy Aerological Office	
Phoenixville.....	Chester.....	100	30	37.0	-4.0	70	31	13	24	35	5.79	+2.15	1.29	2.5	11	9	11	11	w.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	407	2	34.2	-4.2	61	31	13	12	31	6.92	+3.05	1.98	4.5	11	13	2	16	n.	E. E. Rarick.	
Quakertown.....	Bucks.....	496	55	33.0	-4.4	62	31	9	17	36	6.44	+2.65	2.03	2.5	13	13	3	15	nw.	John E. Benner.	
Reading.....	Berks.....	273	70	35.6	-5.0	64	31	15	24	26	4.17	+0.65	1.43	3.5	12	7	9	15	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	46	30.8	-4.9	56	31	8	12	26	6.52	+3.32	3.14	10.5	16	4	8	19	nw.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	455	50	32.4	-6.1	60	31	9	12	30	6.10	+2.58	1.87	5.0	12	5	12	14	w.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	44	36.1	-6.3	66	31	16	12	31	6.06	+2.59	2.87	3.5	12	4	7	20	nw.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	7	31.5	.....	64	31	12	23	32	4.44	.....	0.88	4.0	11	5	10	16	w.	State Teachers College	
State College.....	Centre.....	1,217	56	30.0	-6.1	58	31	5	12	28	5.58	+2.24	2.04	9.0	13	6	8	17	w.	C. A. Kern.	
Stroudsburg.....	Monroe.....	500	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	State Teachers College	
Towanda.....	Bradford.....	754	46	29.6	-5.5	58	31	3	12	29	5.26	+2.67	1.60	17.8	17	6	9	16	nw.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,419	70	28.2	-4.7	55	31	0	23	27	3.29	+0.63	1.32	18.4	16	12	2	13	n.	George W. Hill.	
West Chester.....	Chester.....	455	91	35.9	-3.2	68	31	13	12	34	6.17	+2.34	2.00	4.5	11	12	5	14	nw.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	U. S. Airways Station.	
Williamsport.....	Lycoming.....	521	54	31.0	-7.4	57	31	9	12	30	5.79	+2.57	1.86	15.2	14	6	6	19	w.	Mrs. Ralph F. Keller.	
Williamstown.....	Dauphin.....	1,275	25	30.1	-7.8	59	31	7	12	30	5.18	+1.91	2.15	9.0	10	7	6	18	nw.	Susquehanna Collieries Co.	
York.....	York.....	400	52	36.6	-4.0	69	31	15	24	35	3.67	+0.56	0.96	1.2	10	14	10	7	w.	York Water Co.	
Ohio Drainage.																					
Brookville.....	Jefferson.....	1,173	50	26.8	-6.5	61	29	-5	12	41	4.37	+1.12	1.14	7.6	20	6	0	25	.....	Frank S. Fawcett.	
Butler.....	Butler.....	1,077	27	33.0	-4.8	75	29	8	12	36	2.73	-0.71	.....	6.5	12	6	12	13	w.	William C. Faust.	
Chambersville.....	Indiana.....	1,047	39	32.6	-6.0	68	29†	5	12	33	4.49	+0.74	0.95	9.6	18	4	5	22	nw.	John E. Lewis.	
Clairton.....	Allegheny.....	1,020	8	35.0	-3.1	73	29†	9	12	34	3.66	+0.12	1.09	7.6	17	8	9	14	w		

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Stations	Drainage Basin	Day of month																															Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Atlantic Drainage																																			
Allentown ²	Lehigh			.05	1.60	.38	T.	.02							T.	2.05		.11	T.	.04		.14	.08	T.	T.					.22		.08	.82	5.59	
Altoona	Juniata		.16	.58	.27	.17	.04								.54	.33	.16		.05	.41	.08		.29					.17	.59	.08	1.31	.84	6.07		
Ansonia ²	W. Br. Susq.					.30	.38					T.				.69	.01	.03	.05	.28	T.	.08	.09	T.					.08	.49		.30	1.27	4.05	
Ardmore ³	Lower Del.	.13	.13	1.04	1.23	T.									2.30	.65	.19		.02	.11	.01		.23							.10	.33	.16	6.63		
Arendtsville ²	Lower Susq.			.49	1.52		T.								.05	1.36	.06	.06		.05				T.	T.					T.		.01	1.61	5.21	
Baker's Summit	Juniata		.15	.53	.08										.38	.32			.41			.24								.20	.05	1.22	.76	4.34	
Bald Eagle	Middle Susq.		.04	.52	.18										.67		.10		.46	.02	.02	.06							.56	.13		1.66	.11	4.74	
Bedford ²	Juniata			.60	.40			T.							.15	.35	.20	.30		.23		.05		.05						T.	T.	.10	1.52	3.90	
Bellefonte	W. Br. Susq.	T.		.35	.30	T.	T.	T.	T.	T.	T.				1.05	.25	.70		.12	.38	T.	*	*	T.	*				.49	.06	.07	2.20	.11	6.22	
Berwindale ¹	W. Br. Susq.		.43	.10											.61		.36		.62	.02	*		*	*		.21			.70	.07	.12	1.64	.30	5.18	
Bethlehem	Lehigh		.60	1.25	.01	T.	T.								.25	1.62	.29	.02	.08			.16	.03							.20	.04	.23	.97	5.75	
Bethlehem	Susquehanna		.24	.65	.05										T.	.89	.03	.12		.11			.06							.17	T.		1.67	3.99	
Big Knob ²	Susquehanna	T.		.92	.04	.03	.03	.03							1.59	T.	.22	.09	.03		.05		T.	T.						.80		.60	2.20	1.01	7.64
Bloomsburg	Lower Susq.		.05	*	1.32	T.									.72	.58	.12			.04			T.	T.	T.					.10		.04	1.65	.04	4.66
Blossersville	Potomac			.75	.23										.13	.35	.23	.04		.29												.18	1.19	3.49	
Buffalo Mills ²	Lower Susq.		.14	1.07	.74	T.	T.								.65	.74	.08			T.				T.						.17	.72	.96	5.27		
Carlisle	W. Br. Susq.			.32	.30	.06									.78		.14	.12	.39		.15		.09				.02		.35	.62	.02	1.54	.06	4.56	
Carter Camp ¹	Susquehanna	T.		.30	.25	.03	.02								.30	.37	.17			.32			.14							.26	.27		1.61	.33	4.37
Centre Hall	Potomac			.64	.85										.04	1.34	.06													T.		.10	1.36	4.44	
Chambersburg ²	W. Br. Susq.			.06	.56	.05	.05	T.							T.	.02	.90	.01	.20	T.	.46		.06	.18	T.	T.				.70	T.	.67	1.31	5.23	
Clearfield ²	Lower Del.		.15	1.35	.62										1.51	.73	.03				.02		.01								.05	.45	.48	4.95	
Coatesville	Lower Susq.		*	1.22	.42	T.	T.								*	1.80	.10			.01	T.		T.							.06	.05	.94	.39	4.99	
Colebrook	Schuylkill		.09	1.02	1.11			T.							.78	.47	.11			.02			.13	T.	T.						.02	.08	.14	3.97	
Conshohocken	N. Br. Susq.				.24	.20	.10	.06							1.00				.20	.02		.15	.11					.08	.40		.20	1.10	4.06		
Covington ²	Lower Del.			.64	1.84	.01		.02							.26	1.77	.17			.08		.11	.19							T.	.07	.50	5.66		
Doylestown	W. Br. Susq.	*	*	*	*	.40									.58		.14	.05	*	.41		.02	.06					1.05	.02	.18	1.44	.10	4.45		
Driftwood ¹	W. Br. Susq.			.29	.11	.16	.01				T.				.28	.22	.09	T.	.07	.41	.06		.10	.02				.48	.51	T.	1.18	.51	4.50		
Du Bois	W. Br. Susq.			.20	.24	.10									.40	.35	.10		.30	.38	.11		.10					.60	.15		.74	.22	3.99		
Emporium	W. Br. Susq.			.37	.23	.12									.91		.07	.15	.22	.07	.11	.02	.12					.71		.07	1.78	.06	4.96		
English Center ¹	W. Br. Susq.			.37	.23	.12									.91		.07	.15	.22	.07	.11	.02	.12					.71		.07	1.78	.06	4.96		
Ephrata	Lower Susq.		.12	.96	.74	T.	T.								.93	.97	.11			T.	T.	T.									T.	.46	.27	4.56	
Fredericksburg ²	Schuylkill			.08	1.28	.18	T.								T.	2.20		.16	T.	.02	T.	.08	.02						.19	T.	.07	.90	5.18		
Freeland ²	Lehigh	T.		.05	.67	.20	.11	1.60			T.	T.	T.			1.20	T.	.11	.10	.05		.15	.06	T.					1.22	T.	.23	.71	8.46		
Galeton	N. Br. Susq.	T.	T.	.30	1.13	.13	T.				T.				.31	.47	.06	T.	.13	.26	.22	.13	T.					.52	.13	T.	.83	.56	4.18		
George School	Lower Del.			.72	1.14	T.	T.								.26	1.82	.17					.12	.27							T.	.01	.20	.40	5.29	
Gettysburg	Potomac		.16	1.50	.40	T.									1.03	.71	.10			.06		T.									.01	.31	1.05	5.33	
Girardville ²	Lower Susq.		1.00	.06	T.	.08									1.58	.05	.18	.02		T.	.17	.01	.01	.01				1.00		.24	2.64	.04	7.09		
Gordon	Lower Susq.			.53	.56	.05		.05							.26	1.35	.10				.09	.08	T.						.69	.06	.76	1.74	6.32		
Gouldsboro ²	Lehigh	.02		.31	.60	.24	T.	T.	T.	T.	T.	T.	T.			1.09	.12	.04	.02	.02	.26		T.	T.					.84	T.	.06	3.12	.02	6.76	
Graterford	Schuylkill			.68	.81		T.								.92	1.21	.04						.06							T.		.12	.89	4.73	
Hauover	Lower Susq.		.13	1.10	.61	.02	T.								.84	1.10	.10			.10	T.		T.							.02	.20	.93	5.15		
Harrisburg ²	Lower Susq.		.11	1.18	.14	T.	T.								1.62	.11	.08			T.	.01	T.		T.					T.	.05	.04	1.64	.01	4.99	
Hawley ²	Upper Del.	T.	.02	T.	1.38	.10	.10	.03	T.		T.				1.38	T.	.10	T.	.05		.35	.01	.01	T.					T.	.70		.18	2.60	7.01	
Holtzerville ²	Upper Del.	T.	.04		.96	.30	.17	.04	T.	.02	.03	.02			1.23		.09	.04	.03		.27	T.		T.					T.	.09	T.	T.	1.90	6.13	
Holtwood ²	Lower Susq.			.42	1.09	.04	T.	T.							.11	1.71	T.	.10				.03	.29	.18		.03	T.			T.	.08	.62	4.20		
Huntingdon	Juniata		.08	.57	.16	T.									.43	.05	.45					.29	.18		.29				.21	.30		1.60	.25	4.89	
Huntsdale ¹	Lower Susq.		.10	1.29	.09	T.									1.33		.04													.06	.02	1.41	.19	4.53	
Hyndman ²	Potomac			.30	.27	T.									T.	.52	.20	T.				.13		T.						.06	.13	1.18	3.38		
Kylertown ²	W. Br. Susq.	T.		.35	.28	.05	.02	T.	T.	T.	.08	T.			T.	.55	.08	.14	T.	.65		.04	.05	.17	.15	T.			.79	.13	.23	1.69	.03	5.48	
Lakeville ²	Upper Del.		.01		.43	.06	.08																												

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Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Shade Gap ¹	Middle Susq.	.22	.67	.06									.02	.02	.70		.20		.19	.01								.05	.07	.05	1.45	.03	3.75	
Shawmont	Schuylkill	.02	.72	1.48											.35	2.52	.16			.13		.05	.24							.05	.06	.28	6.06	
Shippensburg	Lower Susq.	.17	.81	.31	T.										.65	.65	.12			.08	T.			T.	T.				.02	.05	.88	.75	4.44	
State College	W. Br. Susq.	T.		.59	.12	T.	T.	T.			T.			T.	.39	.36	.18			.24	.17	T.		.35	T.				.34	.29	.02	2.04	.49	5.58
Stroudsburg ²	Upper Del.																																	
Sunbury ²	Lower Susq.		.03	.97	.08	T.	T.	T.							1.86	.11	.10	.03				.04	.03	T.	T.					.78		.34	2.66	7.05
Susquehanna ²	N. Br. Susq.	T.	.08		.61	.09	.10	.05	.01		T.	.01			1.45	.01	.01				.10		.19	.03	.03			T.	.32		.20	1.95	5.24	
Towanda	N. Br. Susq.	.16		.15	.19	.28	.05	.01	T.	T.	T.	T.			.62	1.13	.04	T.	.02	.02	.15	T.	.02	T.			T.	.33	.06	T.	1.60	.43	5.26	
Weikert	Lower Susq.			.68	.18										.60	.52	.11						.20						.64		1.92	1.20	6.20	
Weilsboro ²	N. Br. Susq.	.03	T.	.02	.17	.18	.02	.02	T.		T.				T.	.39	.03	T.	.07	.29		.11	.12	T.				.07	.32		.13	1.32	3.29	
Wernersville ² [nr]	Schuylkill		.11	2.40		T.	T.	T.							2.30	.23	.25			.02	.13			.03						.10	.07	.03	5.67	
West Chester	Lower Del.		.14	1.19	1.22			T.							.70	2.00	.19					.13	T.		.12					.04	.19	.25	6.17	
Westgrove ²	Lower Del.			.40	1.20	.03										2.25		.12				.12		.12							.12	.37	4.73	
Wilkes-Barre ²	N. Br. Susq.		.05		.71	.06	.07	T.	T.	T.					1.17	T.	.10	.12	.02			.19	.04	T.					.94		.51	2.59	6.57	
Wilkes-Barre ² †	N. Br. Susq.			.09	.49	.10	.02	T.							1.26	T.	.10	.25	.14			.28	.11			T.			.02	.75		.32	1.86	5.79
Williamsport ²	W. Br. Susq.	T.		.36	.60	.01	T.	T.							.01	1.50	.05					T.	T.	T.	T.				.46	.04	.47	1.68	5.18	
Williamstown	Lower Susq.			.36	.60	.01	T.	T.							.67	.96							.02							.02	.12	.36	3.67	
York	Lower Susq.		.17	.80	.53	.02									.01	1.50	.05					T.	T.	T.	T.					.04	.47	1.68	5.18	
York Haven ²	Lower Susq.			.22	1.35										1.72			.06		.06									.01		.08	.93	4.43	
Zionsville ² (near)	Schuylkill	T.	.52	1.48	.04	.94	T.								.63	2.47	T.	.46				T.	T.						.08	.02	1.04	.82	8.50	
Crenton, N. J. ¹	Lower Del.		.02	1.04	.77	T.	.06	T.			T.				1.11	.31	.19	T.	T.		.14	.14		.21					.01	.30	.42	4.72		
Ohio Drainage																																		
Acmetonia ²	Allegheny		.29	.51	.06	.01	T.				.02	T.		T.	.16	.59	.15			.30		T.	.10	T.	T.				T.	.77		.30	1.04	4.30
Beaver Falls ²	Beaver	T.		.29	.97	.10	T.		T.	T.	T.				.26	.30	.11	T.		.12		T.	.01	.02	.01	T.			T.	.40	.02	.03	.83	3.57
Blairsville ²	Allegheny		.21	.18	.15	.07	T.	.04			.02	.10	.11		.03	.42	.13	.09		.04		T.	.08	T.					.15	.36	.22	1.64	4.04	
Bradford	Allegheny		.23	.25	.33	T.	T.								.31	.07	T.	T.	.18	.53	.25		.12	T.				.35	.10	.42	.09	3.31		
Brookville ²	Allegheny	T.		.05	.53	.22	.05	.04	T.	T.	.01	T.			.11	.52	.12	.03	.04	.30		.02	.09	.01	.02			.02	1.12		.38	.74	4.37	
Buckstown ¹	Allegheny		.32	.43	.06	.01	.06	.04						.01	.24		.19	.09	.31					.04				.07	.12	.32	1.68	.04	4.03	
Butler ²	Ohio		.87	.02	*	.01									.20	T.	.20	.05					.10					.58		*	.70		2.73	
Chambersville	Allegheny		.01	.30	.29	.07	.02	T.		T.					.35	.17	.18	.12	.44	.01		.15	.04				.20	.50	.04	.95	.65	4.49		
Clarion ³	Monongahela		.36	.36	.09	.08	.03	T.	T.					.07	.40	.06	.12		.27		T.	.01	.05	T.				.26	.26	.10	.09	.05	8.66	
Clarion ²	Allegheny		.03	.57	.21	.04	.03								.18	.62	.10	.07		.34		.02	.04	.01	.01			.01	1.13	.01	.03	.75	4.20	
Claysville	Ohio		.24	.59	.50	.10	.01								.72	.03	.22		T.	.22	T.	.08	T.	T.	T.			.02	.41	.03	1.22	.27	4.66	
Confluence ²	Youghiogheny		.50	.20	T.	T.	.08	T.							T.	.33	.20	.13		.35		.16	.05	T.	T.	T.	T.		.07	.03	.69	1.75	4.54	
Connellsville ²	Monongahela		.40	.12	.13	T.	T.	T.	T.	T.	T.				.07	.44	.07	.05		.40		T.	.24	T.	.01	T.		.26	T.	.62	1.42	4.23		
Coraopolis ²	Ohio		.27	.73	.11	.03									.34	.40	.13	T.		.10		.06					T.	.56	.01	.35	.65	3.74		
Corry	Allegheny		.30	*	.22						.10				*	.20	.56		.20			.10	.30	*	.17			*	.51		.40		3.06	
Coudersport	Allegheny	.03		.20	.14	.60	.08	.05		.01	.01	.01			.33	.52	.10	.22		.46	.35		.16	.07			.63	.12		.84	.48	5.41		
Derry	Conemaugh		.07	.12	.28	.06	.03	.02	.05	T.	T.				.40	.05	.25		.05	.54	.03		.11	.02				.03	.65	.10	1.47	1.27	5.60	
Donora ²	Monongahela		.59	.22	.09	.02	T.	T.	.01	T.	T.	T.	T.		.65	.16		.45		T.		.14	T.					.37		.09	1.39	.02	4.20	
Dunlop	Allegheny		.15	.43	.08	.04	.07							.03	.01	.31	.02	.20	.15	.43	.02	.04	.06	.15	.05	.02	.02		.35	.28	.11	1.80	.41	5.23
Ebensburg	Conemaugh		.05	.45	.16	.14	.12	T.	.03	T.					.21	.30	.34	.03	.50	.01		.39	.02				.11	.30	.02	.99	.74	4.91		
Franklin ²	Allegheny		T.	.40	.10	T.	.05		T.	T.	T.				.10	.43	.08	.04	T.	.30	.08	.08	T.		.03		T.	.91			.65	3.25		
Greensburg ²	Monongahela		.39	.43	.15	T.	T.	.01	.02						.13	.53	.13	.01		.35		.16	T.	T.	T.			.11	.05	.60	1.33	4.40		
Greensburg	Youghiogheny		.19	.38	.24	.06	.02	.01	T.	T.	T.			.02	.64	.02	.26		.02	.56	.02		.08	.02	T.	T.		.07	.51	.09	1.75	.40	5.36	
Greenville	Beaver		.37	.05	.07	.04	T.	T.	T.	T.	.02	T.			.55	T.	.03	T.	.01	.24	.03		.09	.08			.60	.45		.60	T.	3.23		
Grove City	Beaver		.26	.17	.11	.01	.01		.01	.01					.31	.04	.03					T.	T.	T.			.04			.36	T.	1.36		
Irwin	Monongahela		.18	.49	.32	.08	.02	T.	T.	T.					.66	.05	.12		.03	.46	T.	.08	T.				.54	.08	.16	.45	4.72			
Johnstown	Conemaugh		.15	.49	.13	.04	.02	.01		.02	.01				T.	.47	.04	.31		.29	.04		.33	.06			.21	.56	.08	1.51	.56	5.71		
Kane Airway Sta.	Allegheny	.01		.30	.50	.24	.10	.03	.01	.06	.13	T.			.59	.30	.08	.15	.68	T.	.08	T.	.03	.06	.02	T.	T.	.98	.06	.01	.71	.01	5.20	
Kroger ²	Youghiogheny		.66	.13	T.	.06				.02	.03			.02	.40		.15	.08		.55		.25	.03	.02	T.	.01	.01	.45	.04	.71	1.68	T.	5.29	
Lake Lynn ²	Monongahela		.38	.42	.35	.02	.01		.01	.04																								

Daily Temperatures for March, 1940

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Altoona.....	Maximum....	37	33	35	36	31	35	32	32	29	29	32	32	31	33	34	44	56	45	50	39	33	23	23	25	35	44	42	49	46	59	36.8	
Altoona.....	Minimum....	29	29	29	32	30	28	26	23	24	20	12	0	17	27	19	20	28	30	21	16	17	7	6	7	12	25	36	34	38	33	22.2	
Bedford.....	Maximum....	44	40	36	39	38	37	36	35	34	33	31	37	35	34	34	35	50	64	55	55	41	40	37	31	26	37	56	56	57	61	42.1	
Bedford.....	Minimum....	25	31	32	33	38	36	32	27	29	17	10	21	33	23	20	30	25	33	23	18	22	14	12	10	17	30	39	36	44	39	26.5	
Bethlehem.....	Maximum....	40	31	34	35	38	36	37	37	38	31	31	40	37	41	32	44	47	52	54	54	38	30	27	30	39	48	42	42	59	62	40.3	
Bethlehem.....	Minimum....	32	25	28	32	32	33	30	31	26	27	18	14	23	29	30	26	32	33	31	24	30	18	11	16	22	28	36	36	40	42	27.8	
Bloomsburg.....	Maximum....	37	35	40	40	39	38	37	38	41	38	32	31	40	38	38	37	44	47	47	51	38	38	31	26	31	40	39	43	44	48	44	39.0
Bloomsburg.....	Minimum....	27	30	34	34	32	32	30	30	29	29	15	9	20	31	21	23	12	32	35	23	20	29	14	12	13	19	29	32	33	38	36	26.0
Brookville.....	Maximum....	40	40	37	35	33	31	30	26	25	21	28	36	33	33	27	35	30	60	43	44	36	27	21	21	25	35	38	46	61	54.7*	54.7*	
Brookville.....	Minimum....	22	22	31	33	30	28	26	24	24	19	1	5	-3	3	20	20	16	22	28	18	9	11	5	6	9	19	32	36	40	39	19.0	
Butler.....	Maximum....	45	43	40	38	35	34	35	32	30	28	30	31	40	35	34	35	64	64	46	42	35	22	22	26	37	45	50	75	68	60	41.2	
Butler.....	Minimum....	30	32	34	34	31	30	27	25	26	20	13	8	29	32	20	23	25	28	28	23	14	20	9	8	10	13	29	36	42	46	35	24.9
Carlisle.....	Maximum....	40	37	35	37	48	43	44	45	44	40	40	35	40	38	37	41	54	56	60	53	43	28	37	34	34	41	50	46	46	51	41.6	
Carlisle.....	Minimum....	32	30	31	33	34	31	32	28	30	26	20	13	21	30	25	30	28	59	56	55	45	39	29	30	31	44	61	50	48	65	43.0	
Chambersburg.....	Maximum....	40	34	34	38	40	40	43	45	43	38	39	39	36	35	33	39	52	56	56	45	39	29	30	31	44	61	50	48	65	43.0		
Chambersburg.....	Minimum....	31	31	30	33	34	34	31	25	31	26	21	14	25	31	26	24	27	30	36	28	21	25	17	15	14	20	31	38	38	42	28.0	
Chambersville.....	Maximum....	42	40	40	40	34	34	32	33	31	30	29	36	37	37	35	37	44	65	57	50	44	38	24	24	28	37	40	48	68	61	40.7	
Chambersville.....	Minimum....	29	30	35	33	31	29	27	25	26	20	13	5	24	32	19	21	20	32	29	21	15	19	8	6	8	14	28	36	39	41	36	21.4
Claysville.....	Maximum....	45	44	54	51	34	35	34	35	31	35	35	34	43	51	49	31	39	66	55	49	41	41	24	24	27	39	51	63	74	71	63	41.9
Claysville.....	Minimum....	25	30	36	32	31	29	28	25	26	21	13	10	31	29	19	20	18	31	29	31	14	21	11	9	10	8	31	39	48	41	38	25.3
Clearfield.....	Maximum....	35	34	36	36	35	34	31	35	31	31	26	40	38	34	34	37	40	57	45	44	37	35	21	23	27	37	36	40	52	50	56	37.0
Clearfield.....	Minimum....	27	27	30	32	30	28	25	24	25	26	10	4	18	29	17	20	30	33	25	23	28	14	12	15	18	24	34	33	40	40	25.1	
Coatesville.....	Maximum....	36	33	36	36	40	40	36	41	40	36	34	34	43	45	44	35	46	51	53	52	45	40	28	28	30	40	52	48	63	61	66	41.7
Coatesville.....	Minimum....	27	27	27	30	31	31	29	25	26	24	19	12	19	26	25	21	20	30	33	25	23	28	14	12	15	18	24	34	33	40	40	25.1
Corry.....	Maximum....	47	39	38	38	38	32	29	30	31	26	26	33	40	36	32	34	35	55	49	40	34	33	22	23	25	35	35	55	59	56	54	37.1
Corry.....	Minimum....	22	30	29	26	29	24	22	19	19	13	-6	-5	18	28	16	18	12	29	23	20	5	11	2	-1	-4	7	22	28	35	31	33	17.9
Coudersport.....	Maximum....	27	32	37	35	36	32	30	30	30	26	25	34	39	35	33	38	39	55	47	40	35	30	19	19	28	35	34	49	47	43	54	35.3
Coudersport.....	Minimum....	18	22	26	32	28	24	23	21	20	14	-5	-12	14	27	13	12	12	31	27	13	-1	10	-4	1	-6	10	20	30	33	32	10.6	
Donora*.....	Maximum....	47	44	57	50	40	35	37	34	37	35	32	47	50	44	29	40	52	70	50	53	43	35	27	27	30	40	53	61	76	61	65	45.2
Donora*.....	Minimum....	32	38	43	33	33	32	31	29	31	27	19	13	35	28	23	25	28	34	33	26	22	20	16	15	14	15	35	42	50	43	40	29.2
Ebensburg.....	Maximum....	36	35	35	35	32	29	31	32	29	25	32	31	33	39	29	30	42	47	41	39	39	33	18	20	33	41	42	52	55	41	34.5*	
Ebensburg.....	Minimum....	15	15	29	31	26	24	22	24	19	18	10	6	18	25	19	15	18	32	25	22	14	14	5	2	15	19	25	36	35	41	34	20.6*
Emporium.....	Maximum....	35	33	38	39	37	35	32	33	33	33	35	37	37	37	35	37	38	51	49	42	39	34	27	20	27	35	35	46	52	50	57	37.7
Emporium.....	Minimum....	26	26	31	32	32	28	27	26	27	24	6	-4	20	31	14	16	10	32	31	20	10	19	3	2	1	10	25	32	35	35	34	21.3
Ephrata.....	Maximum....	38	34	37	38	42	40	36	42	44	36	37	40	44	42	45	40	47	56	55	57	48	38	28	30	32	43	53	47	46	62	67	43.4
Ephrata.....	Minimum....	31	31	30	34	34	35	32	28	31	27	22	15	22	30	29	26	21	34	35	28	25	28	17	15	17	22	28	37	37	43	43	28.6
Erie*.....	Maximum....	29	42	42	40	33	31	30	28	29	24	22	23	41	38	27	32	35	57	37	39	35	34	18	18	24	29	35	42	65	57	50	35.0
Erie*.....	Minimum....	21	21	36	32	30	28	26	24	24	17	12	10	22	26	22	24	27	26	29	24	21	16	12	9	12	17	25	21	42	40	33	23.5
Franklin.....	Maximum....	43	42	40	37	34	32	31	30	31	25	25	40	38	35	28	34	39	61	44	42	36	25	20	19	24	36	35	49	68	46	57	37.7
Franklin.....	Minimum....	26	28	29	34	31	29	27	24	25	20	8	4	5	26	21	21	24	27	29	24	15	16	9	6	7	10	15	30	33	37	35	21.8
Freeland.....	Maximum....	31	27	32	32	32	29	31	30	29	23	25	39	33	32	28	38	38	42	45	35	29	21	21	25	34	32	38	39	43	50	32.6	
Freeland.....	Minimum....	25	9	25	28	29	25	22	22	16	8	2	4	11	24	19	16	18	33	30	19	14	14	9	4	6	13	20	31	31	38	32	19.3
George School.....	Maximum....	35	37	36	43	40	38	45	45	39	37	40	41	39	49	34	47	49	57	55	50	43	37	30	34	44	56	55	48	63	66	44.1	
George School.....	Minimum....	28	26	30	31	31	33	26	25	28	20	14	21	26	30	25	18	33	35	25	25	30	17	15	17	20	25	34	35	41	42	26.9	
Gettysburg.....	Maximum....	41	38	35	38	43	42	45	46	44	40	39	38	35	36	36	41	52	57	58	60	58	43	33	32	32	44	62	61	49	52	66	45.0
Gettysburg.....	Minimum....	31	31	30	33	34	32	31	26	31	27	21	15	24	29	26	24	24	31	39	29	20	31	16	14	15	20	31	40	38	43	43	28.4
Gordon.....	Maximum....	36	31	35	36	37	33	34	36	34	28	30	38	36	33	35	42	43	46	49	44	35	28	26	29	38	44	41	41	52	58	37.6	
Gordon.....	Minimum....	26	26	27	33	32	31	28	28	28	23	14	6	15	27	23	21	6	31	32	21	19	27	12	11	12	18	23	34	34	38	37	24.0
Greensburg.....	Maximum....	46	42	50	46	39	35	33	33	33	31	45	45	41	32	35	51	69	58	50	42	39	24	24	28	39	50	57	75	71	59	43	7
Greensburg.....	Minimum....	30	32	36	35	32	30	28</																									

Daily Temperatures for March, 1940—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum.....	39	36	37	37	39	40	36	39	40	40	30	32	39	39	49	44	44	44	49	54	54	39	32	27	29	38	45	45	44	52	61	41.1
	Minimum.....	30	28	29	33	32	34	30	29	29	27	18	13	20	28	28	25	30	33	33	24	23	30	16	14	15	21	27	27	37	40	41	27.2
Quakertown.....	Maximum.....	35	33	35	35	39	39	35	38	38	37	31	34	39	37	46	33	45	47	51	52	50	39	30	29	31	39	50	43	42	61	62	40.5
	Minimum.....	27	25	28	31	31	33	29	28	25	27	18	13	20	28	26	24	9	32	32	23	23	26	15	13	15	20	25	33	34	37	40	25.5
Reading*.....	Maximum.....	39	35	39	39	40	40	36	41	42	34	34	38	41	46	35	37	48	52	54	58	42	39	28	29	32	41	52	44	45	62	64	42.1
	Minimum.....	33	31	32	35	35	35	32	30	30	27	21	17	24	29	28	27	26	35	36	32	26	21	17	15	17	23	32	36	39	40	43	29.2
Retreat.....	Maximum.....	37	32	39	39	37	37	35	36	36	36	29	29	40	38	42	34	42	45	46	50	46	36	25	28	32	39	37	45	43	47	56	38.5
	Minimum.....	26	30	29	33	32	33	29	28	27	25	14	8	16	30	25	24	11	31	35	21	18	16	12	10	12	19	23	30	34	37	36	23.7
Ridgway†.....	Maximum.....	35	31	35	37	37	35	32	31	32	30	22	25	30	37	35	22	36	36	61	41	44	35	26	20	21	31	34	41	48	55	45	34.8
	Minimum.....	16	26	30	33	30	26	25	23	23	19	-4	-8	-6	21	20	19	12	15	28	15	6	8	4	2	-2	4	11	28	33	36	35	17.0
Scranton*.....	Maximum.....	33	31	37	37	36	35	33	32	33	30	24	27	39	42	42	33	42	47	46	51	37	34	23	24	28	34	34	47	47	49	56	36.9
	Minimum.....	28	27	28	32	32	28	28	25	25	18	11	8	14	31	24	23	24	31	32	25	21	17	12	12	13	22	25	34	40	37	37	24.6
Selinsgrove.....	Maximum.....	37	34	39	40	40	37	35	38	36	40	32	33	37	37	38	42	47	49	54	42	36	28	29	31	40	40	41	43	48	60	39.4	
	Minimum.....	30	31	30	32	32	33	29	27	29	24	17	9	19	29	18	22	13	30	34	24	21	26	15	12	12	19	27	31	33	38	40	25.4
Somerset.....	Maximum.....	45	37	34	38	34	32	28	28	28	29	29	33	34	33	31	31	52	64	52	50	38	35	17	18	21	32	48	61	63	58	56	38.4
	Minimum.....	15	27	31	31	28	25	22	23	22	19	12	1	23	27	16	16	21	25	26	22	13	16	7	5	4	10	23	36	38	42	34	21.3
Springs.....	Maximum.....	43	36	33	39	31	29	29	28	27	27	27	33	32	32	28	31	50	58	47	48	37	32	17	18	19	32	52	60	60	52	57	36.9
	Minimum.....	17	27	30	30	27	24	22	21	21	20	12	1	22	27	15	16	22	31	25	17	10	14	7	5	3	9	25	38	36	35	34	20.7
State College.....	Maximum.....	36	34	36	36	38	34	33	34	33	29	31	33	34	33	32	37	41	54	44	45	38	32	24	25	3	35	38	40	45	43	36	36.7
	Minimum.....	29	26	30	33	30	29	25	25	26	21	12	5	17	30	19	17	23	28	31	25	17	20	8	7	9	14	28	31	36	37	36	23.4
Stroudsburg†.....	Maximum.....																																
	Minimum.....																																
Towanda.....	Maximum.....	33	32	38	37	49	36	35	34	36	33	26	28	34	36	35	38	43	50	47	46	38	34	23	25	28	34	32	48	47	49	58	37.5
	Minimum.....	24	25	28	32	31	27	26	27	24	13	11	3	13	31	19	16	15	28	33	17	16	19	8	9	9	18	20	30	34	37	34	21.8
Uniontown.....	Maximum.....	49	44	53	47	37	37	36	34	35	36	35	51	47	42	33	39	58	70	59	56	44	42	28	25	29	40	55	66	76	71	63	46.4
	Minimum.....	29	37	39	36	32	31	30	29	29	25	18	13	34	35	22	22	21	32	33	26	18	25	15	11	12	12	32	44	51	43	41	28.2
Vandergrift*.....	Maximum.....	46	43	46	44	45	38	36	30	30	30	31	20	40	40	41	29	35	34	61	39	28	38	40	20	20	19	32	40	44	58	59	37.3
	Minimum.....	31	32	38	38	34	33	30	29	27	29	20	15	9	28	29	23	24	19	29	28	25	18	18	13	15	8	17	32	38	43	39	26.8
Warren.....	Maximum.....	35	44	39	39	34	31	30	30	30	24	24	35	40	35	34	35	36	62	44	40	36	33	21	22	26	34	35	58	58	49	36.9	
	Minimum.....	25	28	32	32	30	26	25	23	22	15	-2	-5	-2	31	20	21	13	32	28	23	10	15	8	7	-1	11	25	32	38	35	35	21.2
Waynesburg.....	Maximum.....	46	43	60	53	37	35	35	33	35	35	35	50	56	43	31	38	60	67	58	51	42	41	25	23	27	39	58	67	74	72	63	45.9
	Minimum.....	28	30	38	35	32	30	29	27	28	24	16	12	84	31	21	22	21	31	31	32	18	22	12	9	10	32	41	49	42	41	27.0	
Wellsboro.....	Maximum.....	33	31	39	38	38	33	32	32	34	30	23	25	38	35	38	38	43	47	45	40	35	29	22	24	26	33	35	44	44	43	55	35.4
	Minimum.....	23	24	28	33	32	27	26	25	24	16	10	3	15	29	10	19	16	28	31	17	11	16	0	14	6	16	20	30	36	36	34	21.1
West Chester.....	Maximum.....	40	35	39	37	41	39	36	46	42	40	37	39	43	44	48	36	46	54	58	57	44	42	29	29	32	43	59	52	48	63	68	44.1
	Minimum.....	30	30	30	33	33	34	30	26	27	27	21	13	21	29	29	24	21	33	35	28	25	28	16	13	17	20	25	36	36	47	42	27.7
Wilkes-Barre.....	Maximum.....																																
	Minimum.....																																
Williamsport.....	Maximum.....	36	32	38	37	38	36	35	35	37	35	28	31	35	36	34	36	41	46	45	49	39	35	24	28	30	38	33	42	41	44	57	37.1
	Minimum.....	28	29	29	34	32	31	29	29	28	25	15	9	20	30	21	22	11	32	34	23	20	23	11	10	11	18	27	30	35	35	37	24.8
Williamstown.....	Maximum.....	39	32	33	35	37	37	33	34	33	40	35	32	39	37	35	29	36	41	49	51	48	38	29	25	28	38	43	43	39	49	59	37.9
	Minimum.....	29	19	24	26	29	27	25	23	24	20	13	7	16	24	18	21	25	23	32	25	18	18	9	8	8	15	27	34	33	36	36	22.3
York.....	Maximum.....	38	38	37	38	42	40	40	43	44	39	35	35	43	41	41	40	50	55	56	61	57	42	31	30	31	42	62	59	50	60	69	44.8
	Minimum.....	30	29	32	34	33	32	32	25	32	28	22	16	22	31	24	25	26	28	37	27	22	30	18	15	17	20	27	38	38	44	42	28.3

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. °, °, °, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	29.98	30.46	12	29.55	20	8.7	26	e.	13	85	78	82	32
Harrisburg.....	29.98	30.45	2	29.42	30	10.7	36	s.	20	70	57	63	42
Philadelphia.....	29.97	30.50	2	29.38	30	13.9	42	se.	14	66	54	60	43
Pittsburgh.....	29.98	30.47	26	29.61	18	12.8	45	w.	20	82	64	69	31
Reading.....	29.98	30.49	2	29.38	30	14.5	45	s.	20	64	55	59	51
Scranton.....	29.97	30.47	2	29.51	8	7.5	27	n.w.	20	69	64	69	41

* For any five-minute period.

† Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.....	Delaware.....	3.8	8.3	31	3.1	3	18
Easton.....	Delaware.....	4.9	15.0	15	1.2	2	22
Lehigh.....	Lehigh.....	4.8	11.4	31	2.7	1	9

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER

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NOTICE

In conformity with the policy of the Secretary of Agriculture to have all Section Centers, where possible, at State capitals, the Section Center for Pennsylvania was transferred from Philadelphia to Harrisburg on April 1, 1940. This new arrangement will afford closer cooperation between the State and Federal Departments of Agriculture. All correspondence relative to this publication should be addressed to Weather Bureau Office, 460 Education Building, Harrisburg, Pa.

GENERAL SUMMARY.

The mean temperature of the State for April was 45.1 degrees, which is 3.4 degrees below normal. This was the coldest April since 1926, and in 53 Aprils of record, surpassed only in 1926, 1907 and 1904. The deficiency brings the accumulated departure of temperature for the first four months of the year to 4.3 degrees below normal, this is unique in comparison to similar recent periods. All sections of the State were cool until the last few days when the weather became seasonal. Heavy frosts occurred on numerous dates until the 29th, with minima generally below freezing but due to the retarded season no damage was experienced. Several stations reported minima on the 13th and 14th, the lowest so late in the season.

The average precipitation was 5.30 inches or 1.84 inches above normal. This is the sixth heaviest for any April since the beginning of the record in 1888. The accumulated excess in departure since January 1st is 1.66 inches. The outstanding feature, so far as precipitation is concerned, was the frequency of storms; general storms producing an average of an inch or more, occurred on the 3d, 8th, 12th and 18th to 21st. In the Ohio Basin many stations reported 11 consecutive days with precipitation between the 12th and 21st. Notwithstanding this wetness forest fires were prevalent from the 27th to 29th, due to absence of real rainfall the last 8 or 9 days of the month coupled with favorable temperatures and sky conditions. Snowfall was normal and occurred mostly from the 11th to 13th. The great number of heavy rainstorms prolonged the flood conditions that existed at the close of March. In the Ohio basin the Allegheny and Ohio Rivers were not definitely out of flood until after the 22d. In the Susquehanna Basin, after the 10th and in the Delaware Basin the 1st. Flooding reached major proportions on the North Branch of the Susquehanna River during the first rise. However, strengthened flood warning systems kept the damage losses to a minimum and much less than those of March, 1936.

The month was also characterized by more cloudiness than normal, sunshine was 8 percent below normal. The cloudy-cold weather with much rain was unfavorable for farm work until the close of the month, which despite acceleration of growth and activity, closed about three weeks late. Hail was reported generally on the 3d, sleet on the 12th and heavy or dense fog on the 4th, 17th and 18th. The Annular eclipse of the sun on the 7th was obscured by a heavy cloud layer.

TEMPERATURE.

The mean temperature for the State, as deduced from the

reports of 92 stations, was 45.1°, which is 3.4° below the 53-year normal for April. The highest monthly mean was 51.4° at Marcus Hook, and the lowest was 35.8° at Gouldsboro. Extremes ranged from a maximum of 82° at Emporium and Donora on the 30th and 3d, respectively, to a minimum of 9° at Mt. Pocono on the 14th. The greatest daily range in temperature was 55° at Emporium on the 29th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 173 stations, was 5.30 inches, which is 1.84 inches above the 53-year normal for April. The greatest monthly amount was 7.97 inches at at Ardmore, and the least, 3.12 inches at Erie. The greatest amount for any 24 consecutive hours was 3.30 inches at Ardmore on the 8th.

The average snowfall for the State was 2.3 inches, which is 0.1 inch above the 53-year normal. The greatest total snowfall for the month was 12.1 inches at Kregar; the greatest 24-hour snowfall was 8.8 inches at Kregar on the 12-13th.

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	47.2	92	12	2.52	1.3	8	14	10	6
1889.....	49.7	85	14	4.50	0.9	11	11	8	11
1890.....	48.6	85	12	3.46	0.4	10	14	8	8
1891.....	49.8	87	11	2.08	1.2	8	13	9	8
1892.....	46.9	85	14	2.04	1.1	10	10	10	10
1893.....	47.7	85	16	4.74	0.6	14	7	10	13
1894.....	48.0	83	5	3.62	14.7	11	11	8	11
1895.....	49.2	90	5	3.76	0.2	10	10	8	12
1896.....	53.0	97	4	1.75	0.9	8	10	10	10
1897.....	49.0	92	12	3.30	0.3	10	12	9	9
1898.....	45.6	84	4	2.93	2.5	12	9	8	13
1899.....	50.2	92	2	1.76	0.5	6	15	9	6
1900.....	49.2	90	13	1.57	0.9	8	14	8	8
1901.....	47.2	95	10	5.41	4.9	11	9	5	16
1902.....	48.0	91	20	3.56	3.0	9	8	10	12
1903.....	48.8	90	12	3.53	T.	10	11	7	12
1904.....	44.7	86	9	3.45	1.0	13	8	8	14
1905.....	48.4	84	16	2.84	2.8	12	9	11	10
1906.....	50.0	89	12	3.13	0.6	9	14	8	8
1907.....	43.6	84	8	2.64	4.0	11	10	7	13
1908.....	49.8	89	0	3.51	1.0	12	12	8	10
1909.....	48.5	87	8	5.39	2.6	13	10	9	11
1910.....	52.6	89	13	5.07	0.6	13	10	9	11
1911.....	46.2	84	6	3.79	4.4	13	11	7	12
1912.....	50.2	83	18	4.39	1.6	15	10	7	13
1913.....	50.6	90	17	3.82	0.2	11	12	6	12
1914.....	47.3	93	5	4.66	1.1	14	10	8	12
1915.....	53.9	98	15	1.92	1.6	8	13	10	7
1916.....	48.0	87	16	3.65	5.6	14	9	9	12
1917.....	48.5	87	14	2.08	2.6	9	11	10	9
1918.....	48.2	81	12	4.53	10.8	14	10	9	11
1919.....	48.5	90	6	2.70	1.2	11	10	10	10
1920.....	46.0	87	8	4.39	3.0	16	9	9	12
1921.....	55.3	96	10	3.11	0.8	11	13	7	10
1922.....	50.1	91	11	3.17	0.4	12	12	9	9
1923.....	48.3	89	-5	2.94	1.9	9	14	8	8
1924.....	46.5	82	6	4.15	7.4	12	13	7	10
1925.....	51.3	96	9	2.32	0.5	10	15	7	8
1926.....	44.9	84	9	2.03	0.9	9	12	9	9
1927.....	47.7	92	17	3.52	1.0	13	12	7	11
1928.....	46.0	88	11	5.50	6.5	13	12	8	10
1929.....	51.4	94	19	6.12	1.1	15	9	8	13
1930.....	48.2	92	9	2.71	1.1	10	11	8	11
1931.....	48.4	85	16	3.33	2.3	10	14	6	10
1932.....	47.0	86	14	1.71	1.2	8	14	6	10
1933.....	50.9	89	15	4.49	0.5	13	12	8	10
1934.....	48.9	86	14	3.06	0.6	11	13	8	9
1935.....	47.1	91	12	2.56	2.9	11	11	7	12
1936.....	46.1	90	14	3.01	1.3	14	8	8	14
1937.....	47.7	89	19	5.53	0.2	14	9	8	13
1938.....	51.3	92	11	2.85	3.5	10	13	7	10
1939.....	46.7	90	9	3.70	1.0	15	7	9	14
1940.....	45.1	82	9	5.30	2.3	12	9	7	14
Period.....	48.5	98	-5	3.46	2.2	11	11	8	11

Climatological Data for April, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers	
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy			
Atlantic Drainage.	Allentown.....	Lehigh.....	254	28	45.4	-3.0	73	30	24	12	35	5.44	+1.73	1.60	3.0	11	13	13	4	nw.	John A. Frick.
	Altoona.....	Blair.....	1,615	53	44.7	-3.0	76	29	19	13	43	5.50	+1.98	1.23	.....	14	14	7	9	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	350	20	44.4	-5.6	74	30	20	13	35	7.97	+4.14	3.30	4.3	11	6	7	17	.....	H. L. Balderston.
	Arendtsville.....	Adams.....	700	18	47.0	-2.2	77	4	22	14	40	6.03	+2.48	1.85	0.5	14	8	9	13	se.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,060	8	47.9	.....	78	29	25	6	37	4.55	.....	1.97	T	10	10	1	19	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	54	47.9	-4.2	74	30	22	13	33	5.39	+1.89	1.75	4.1	11	7	9	14	w.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	14	45.6	.....	76	30	23	13	43	4.81	.....	2.00	.....	11	15	3	12	.....	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	71	48.7	-3.2	78	4	24	14	47	6.42	+3.06	2.50	f.	10	11	5	14	nw	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	43	47.7	-2.5	77	4	25	13	40	6.18	+2.94	2.02	0.0	13	6	10	14	ne.	William B. Spear
	Clearfield.....	Clearfield.....	1,120	39	43.2	-4.3	81	29	19	14	54	5.61	+2.02	1.08	0.2	12	5	6	19	uw.	Otto J. W. Eppers.
Ohio Drainage.	Coatesville.....	Chester.....	380	53	44.6	-5.7	73	30	21	13	38	5.79	+2.03	2.35	1.0	10	4	6	20	nw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	560	28	45.0	-3.5	73	30	23	13	37	5.25	+1.55	1.90	0.4	11	11	5	14	n.	Wm. A. Korer.
	Emporium.....	Cameron.....	1,050	55	44.0	-2.6	82	30	20	13	55	3.73	+0.04	0.78	.....	8	16	0	14	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	380	43	47.7	-2.5	77	29	25	13	41	5.86	+2.66	2.27	0.2	12	9	6	15	n.	Ira J. Keath
	Freeland.....	Luzerne.....	1,970	47	39.8	-4.5	72 ^a	30	11 ^a	12	33	5.46	+0.88	1.14	4.3	11	2	0	28	w.	Andrew B. Evansha
	George School.....	Bucks.....	190	34	46.4	-3.7	74	30	21	13	36	6.65	+3.03	2.55	4.1	13	7	9	14	nw.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	67	48.2	-2.6	77	4	23	14	41	6.45	+2.82	2.20	T	14	11	7	12	se.	Dr Henry Stewart
	Gordon.....	Schuylkill.....	840	36	43.3	-4.2	73	29	15	14	45	5.61	+1.41	2.11	3.0	10	14	2	14	ne.	Miss Sallie M. Johnson
	Gouldsboro.....	Wayne.....	1,875	25	35.8	-4.8	63	30	12	14	33	6.12	+2.53	2.36	5.2	12	6	11	13	nw.	Steward W. Eilenberger.
	Hanover.....	York.....	600	36	48.0	-4.3	77	30	20	14	35	6.61	+3.28	2.29	1.0	14	9	7	14	n.	Thomas Y. Cooper.
For the State!	Harrisburg.....	Dauphin.....	337	71	47.6	-3.3	78	30	25	13	42	4.70	+2.01	2.18	T	11	5	7	18	nw.	U. S. Weather Bureau.
	Hawley.....	Wayne.....	900	22	41.3	-3.9	77	30	15	14	50	5.05	+1.83	0.99	6.8	12	8	11	11	w.	Mrs. Della M. Peunell.
	Holtwood.....	Lancaster.....	200	25	46.2	-4.9	71	30	28	13	31	6.21	+3.87	2.00	1.0	15	9	7	14	nw.	H. W. Lowy, C. E.
	Huntingdon.....	Huntingdon.....	650	53	44.8	-4.5	78	29	21	13	51	5.78	+2.29	1.66	0.5	10	11	3	16	w.	Prof. Paul R. Yoder.
	Kylertown.....	Clearfield.....	1,694	11	41.8	-2.7	73	29	18	12	39	4.46	+1.31	1.35	4.4	14	.....	.....	.....	.....	U. S. Weather Bureau.
	Lancaster.....	Lancaster.....	255	53	47.2	-2.0	74	29	24	13	42	6.43	+3.17	1.70	1.0	11	14	3	13	nw.	Supt. of Water Works
	Lawrenceville.....	Tioga.....	1,000	43	41.6	-4.3	76	29	18	14	49	3.25	+0.27	0.60	1.0	10	12	8	.....	.....	C. P. Darling.
	Lebanon.....	Lebanon.....	469	56	46.2	-4.0	76	30	24	13	36	5.44	+1.95	1.53	T	9	10	6	14	se.	Lebanon Valley Gas
	Lewistown.....	Mifflin.....	500	2	48.1	.....	80	29	24	13	46	4.27	.....	1.13	T	9	4	5	21	e.	Penna. Edison Co.
	Lock Haven.....	Clinton.....	580	50	46.2	-4.1	78	29	21	14	47	4.41	+0.83	1.26	0.5	11	4	15	11	ne.	Joseph Beaver.

Daily Precipitation for April, 1940

Stations	Drainage Basin	Day of month																															Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh	.12		.51	T.			.08	1.60				.31	.82	T.			T.		.11	.20	1.14	.40	.15									5.41	
Altoona	Juniata		.21	.63				.87	.22				.32	.16				T.	.04	.24	.59	.29	1.23	.49	.17								5.60	
Ansonia ²	W. Br. Susq.			.78				.25	.45				.60	T.			T.	T.		.15	.09	.32	.40	.06									3.10	
Arden ³	Lower Del.		.76	T.				T.	3.30				1.11	.03	T.					.01	.13	.30	1.60	.51	.02								7.97	
Arundsville ²	Lower Susq.	.07		.92				.55	1.60				.02	.10	.05	T.		.10	.05	.09	.14	1.85	.48	.01									6.03	
Baker's Summit	Juniata			1.37					.94	.05			.11		.07			.12	.02	.37	.32	1.46	.15										4.96	
Bald Eagle I.	Middle Susq.		.63					.20	1.13			.19	.17					.08	.30	.66	.55	1.84	.09							.04			5.88	
Bedford ²	Juniata	.19		.89				.30	.52					T.	T.		.10	.31	.04	T.	T.	1.97	.19										4.65	
Bellefonte	W. Br. Susq.							.18	.96	.02			.39	.08			.02	.19	.31	.41	.59	1.51	.06	.01										5.43
Berwindale ¹	W. Br. Susq.		.66	.04				1.03	.72				.77	.12	T.			T.		.06	.22	1.14	.30	.08			T.	T.	T.				5.89	
Bethlehem	Lehigh	.18		.47	T.			.56	1.02				.07	.10	T.			T.	T.	.14	.21	1.47	.83	.02				.06					5.39	
Big Knob ²	Susquehanna	T.	T.	.91				1.38	T.				.31	.02	.01	T.			.20	.15	.03	2.00	.12	.03							T.		4.81	
Bloomsburg	Susquehanna			.56				2.00	.20				.40	T.	T.			.06	.05	.22	.06	2.40	.15	.04			T.						6.60	
Blossville	Lower Susq.			1.02				.74					.34	.38				.32	.17	.15	.21	1.41	.26									3.98		
Buffalo Mills ²	Potomac			.74				1.90	.27				.30					.08	.07	.16	.56	2.14	.12	T.								T.	6.42	
Carlisle	Lower Susq.		T.	1.02				.09	1.09	.02		.36	.49		.01			.17	.56	.06	.98	.25	.01				.10				.02	.02		5.01
Carter Camp ¹	W. Br. Susq.		.71	.04				1.07	.01				.49				.05		.32	.14	1.40	.32						.02			.02		3.92	
Centre Hall	Susquehanna			.57				1.07	.01				.07	.06	.10			.15	.06	.09	.18	1.39	.70	T.								.02		6.18
Chambersburg ²	Potomac	.11		.99				.71	1.57				.07	.06	.10			.15	.06	.09	.18	1.39	.70	T.										
Clearfield ²	W. Br. Susq.	T.		T.	.63	T.			.64	.74	T.		.68	T.	.02			T.	.05	.73	.20	1.08	.56	.04	T.				.24				5.61	
Coatesville	Lower Del.		.29	.36				2.35					.76		.05			.03			.14	1.67	.11										5.79	
Colebrook	Lower Susq.		.14	.62				1.90	.01				.45	.06	T.	T.	T.	.05	.20	.19	1.57	.06	T.				T.						5.25	
Conshohocken	Schuylkill			.72				2.12	.49				.51	.18	.01			T.	.04	.28		.21	.08										4.64	
Covington ²	N. Br. Susq.		1.40	T.				.29	1.20				.40					.05	.05	.08	.50	.40	.20	.10			.05						4.58	
Doylestown	Lower Del.			.46				1.36	.59				.79	.10				T.		.15	1.64	.25	.06			T.	.02						5.33	
Driftwood ¹	W. Br. Susq.		.54				.05	1.01				.75	.15					.13	.56	.19	.96	.15									.01		4.50	
Du Bois	W. Br. Susq.		.20	.20				.60	.23			.04	.59	T.	.03			.02	.90	.11	1.07	.23	T.				T.	.09					4.02	
Emporium	W. Br. Susq.		.20	.40				.59	.09				.59					.78		.50	.48												3.73	
English Center ¹	W. Br. Susq.		.72				.02	1.11					.28					.13	.19	.08	1.39	.12											4.04	
Ephrata	Lower Susq.	T.	T.	.68				2.27	.15				.83	.02	T.			.01	.05	.30	1.50	.02	.02				T.	.01					5.86	
Fredericksburg ²	Schuylkill		T.	T.				2.31	.91				.45	.63				.09	.21	.39	.42	.10				T.	T.		.04				5.47	
Freeland ²	Lehigh	T.	.50				T.	.25	.82	T.		.30	.70	T.	T.	T.	T.	T.	T.	.25	.07	1.14	.85	.48	.10		T.	T.			T.		5.46	
Galeton	N. Br. Susq.		.85	.01	.01			.75	.04			T.	.89	.01	.01	T.			.51		.79	.31	.02				T.	.02				T.	4.22	
George School	Lower Del.	.11		.63	T.			1.47	1.08				.85	.40	.01	T.		T.	T.	.21	1.41	.38	.08				T.	.01	.01				6.65	
Gettysburg	Potomac	.29		.01	.79			1.62	.21				.19	.02	.01	T.	.15	.06	.06	.47	2.20	.37	T.			T.	T.						6.45	
Girardville ²	Lower Susq.																																	
Gordon	Lower Susq.			.52				1.52					.52	.05				.15	.08	2.11	.37	.17					.12						5.61	
Gouldsboro ²	Lehigh		.47	.06	T.			T.	.75	T.		.08	.59	2.36	T.	T.	T.	T.	.01	.33	.04	1.05	.36	.02									6.12	
Graterford	Schuylkill			.03	.54			1.62	.17				.78	.36	T.					.04	.19	1.87	.18	.03				.02	T.				5.83	
Hanover	Lower Susq.	.12		.02	.72			1.38	.30				.42	.03	.07	T.	.16	.09	.08	.56	2.29	.37					T.						6.61	
Harrisburg ¹	Lower Susq.		T.	.56	.01	T.		.01	1.26	T.		T.	.30	T.	T.	T.	T.	.04	T.	.15	.53	1.80	.03	T.			T.	.01				T.	4.70	
Hawley ²	Upper Del.		T.		.60	.30	T.		.20	.99			.16	.70	T.	T.	T.	T.	.01	.42	.04	.55	.63	.45	T.								5.05	
Holl sterville ²	Upper Del.			.50	.15			.03	1.08	T.			.28	.59				T.	.37		.76	.73	.29										4.78	
Holtwood ²	Lower Susq.	.08		.52				.12	1.73				.13	.65	.04	T.	.19	.04	.03	.132	.00	.45	.02				.08						6.21	
Huntingdou	Juniata		.79	.80				1.29					.10	.02	T.		.02		.31	.51	1.66	.37	T.										5.78	
Huntsdale ¹	Lower Susq.		1.06				.06	1.46					.14	.03			.13	.03	.17	.66	1.80	.03											5.57	
Hydman ²	Potomac	.27		.78	T.			.40	.50					T.	.06		.08	.27	.11	.15	1.16	.38	T.			.02							4.18	
Kylertown ²	W. Br. Susq.		T.	.63	T.			.19	.77	T.		.52	.07	.01	.01		.02	.23	.22	.52	1.09	.07	T.			.21						T.	4.46	
Lakeville ²	Upper Del.			.61	.25			.31	.88				.22	.63			.01	T.	.39	.10	.62	.69	.46			T.							5.17	
Lancaster	Lower Susq.			.87				1.60	.90				.64	.26	.01			.12	.04	.22	1.70	.07				T.							6.43	
Lansford ²	Lehigh	T.		.47				.25	1.39	T.			.39	.55				.16	.04	1.25	.65	.20	T.										5.35	
Lawrenceville	N. Br. Susq.		.33	.40				.60	.22																									

Daily Precipitation for April, 1940 - Continued from page 21

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Shade Gap ¹	Middle Susq.			1.12				.06	1.58				.15			.02	.12	.10	.11	.82	1.08	.10												5.20
Shawmont	Schuylkill	.01		.95					.72				.15	.06	.01	T.	T.		.04	.14	1.90	.18	.08											5.94
Shippensburg	Lower Susq.	.09		T.	1.01				1.81	.28			.21	T.	.01	T.	.14	.04	.08	.23	1.60	.24	T.				.01	.09						5.74
State College	W. Br. Susq.			.55	.16	T.			1.32	.02			T.	.33	T.	T.		.12	.08	.43	.19	2.03	.12	T.										5.42
Stroudsburg ²	Upper Del.																																	
Sunbury ²	Lower Susq.			.51				.46	.79				.02	.36	T.	T.	T.	.02	.26	.02	1.37	1.40	.17	T.										5.50
Susquehanna ²	N. Br. Susq.			.45	.07			.15	.39				.01	.29	T.				.10	.04	.42	.80	.26	T.										2.98
Towanda	N. Br. Susq.	T.		.45	.18	.02		.51	.12				T.	.08	T.	T.	T.	.01	.07	T.	1.46	.45	.19											3.54
Weikert	Lower Susq.			.65				1.09					.15						.25	.21	1.90	.10												4.39
Wellsboro ²	N. Br. Susq.			.72	T.			.21	.43				.53	T.	.02			T.	.12	T.	.58	.87	.17											4.30
Wernersville ² [ur]	Schuylkill	.13		.55				.23					T.						.09	.19	1.35	.04												3.67
West Chester	Lower Del.			T.	.63			1.91	.26				.93	.24	.04		.02		.06	.32	1.60	.05	.07											2.58
West Grove ²	Lower Del.	.21		T.	.37			.36	1.65				.24	.43	.05	T.	.08	.05	.03	.12	1.35	.23	.06											6.13
Wilkes-Barre ² **	N. Br. Susq.																																	5.27
Wilkes-Barre ² †	N. Br. Susq.			.55	T.	.04		.15					.12	.50	T.	T.	T.	T.	.30	.03	.65	.85	.16	T.										3.35
Williamsport ²	W. Br. Susq.	.01		.66	.01	.01		.51	.84				.15	.01	T.		.02		.26	.13	.62	.99	.04	T.										4.26
Williamstown	Lower Susq.	.18		.56				.98	.28				.45	.04	T.		.15	T.	.08	.19	1.84	.50												5.25
York	Lower Susq.	.04		.77				1.44	.33				.45	.05	.06			.26	.03	.03	.51	2.62	.26	.02										6.87
York Haven ²	Lower Susq.			.79				.38	1.34				.06	.35	.07			.12	.01	.05	.28	1.90	1.30	.12										6.77
Zionsville (near)	Schuylkill	.17		.61				.40	1.60				1.06	.42				.14	.15	.13	1.53	.40	.25	.03										6.89
Trenton, N. J. ¹	Lower Del.			.48	T.	T.		.93	T.				.98	.05	.01			T.	.01	.05	.23	1.20	.24	.04										5.24
Ohio Drainage																																		
Acmetonia ²	Allegheny	.50		1.02				.14	1.12	.01			.69	.02	.20	T.	.23	T.	.59	.14	1.76	.48												6.90
Beaver Falls ²	Beaver	.12		.53	T.			.06	.42	.01			.92	.09	.10	T.	.16	.07	.75	.40	2.15	.38												6.19
Blairsville ²	Allegheny			.59	.22	T.		.02	1.27	.10	T.		.12	.51	.09	.12		.02	.42			.68	.07											
Bradford	Allegheny			.95	.06			.54	.38				.14	.82	T.			.08		.85		.73	.38	.04										5.02
Brookville ²	Allegheny			.04	.52	.01		.32	.78				.80	.03	.07	.01			.86	.37	.88	.89	.03											5.61
Bucktown ⁴	Allegheny			.77	.02			.15	.80	.06			.19	.06	.11		.28	.11	.19	.25	.87	.25	.09											4.24
Butler ²	Ohio			.30				.35	.36				.50		.30			.04		1.25	.05	1.93	.48											5.56
Chambersville	Allegheny			.03	.87	.03		.60	.71				.01	.47	.06	.06		.12	.94	.21	1.08	.41												5.60
Clairton ³	Monongahela			.78		T.		.04	.60	.22			.23	.25	.11	.01	.07	.02	.10	1.20	.70	.04												4.57
Clarion ²	Allegheny	.02		.40				.29	1.17	.01			.89	.03	.05	.01			.76	.64	1.37	.95												6.59
Claysville	Ohio			.38	.25	T.		.01	.37	.18			.04	.70	.13	.01	.02	.34	.32	.29	.99	.70	.14											4.87
Confluence ²	Youghiogheny	.13	T.	1.23				.25	.83	.15			.35	.10	.30			.40	.22	.40	.45	1.18	.25	T.										6.24
Counellsville ²	Monongahela	.14		1.94				.14	.89	.01			.46	.03	.14	T.	.23	.04	.45	.27	.90	.27	T.											5.91
Corapolis ²	Ohio	.26		1.10				.10	.53	T.			.78	.03	.07	T.	.27	.03	.68	.25	1.50	.28												5.88
Corry	Allegheny			.90				.80					.90	.26	.14	.18			.60		.75													4.53
Coudersport	Allegheny			.91	.06	.02		.43	.01				1.10	.10	.02		.10		.70		.63	.30	.03											4.71
Derry	Conemaugh	.05		.29	1.15			1.07	.02				.08	.45	.15	.03		.22	.20	.50	.55	.78	.40											5.96
Douora ²	Monongahela			.91		T.		.07	.88	.03			.30	.11	.12		.36	.11	.20	.28	1.52	.42	.04											5.35
Dunlop	Allegheny			1.20				.21	.69	.10	.01		.26	.08	.06	.04		.22	.19	.32	.72	.43	.20											4.74
Ebensburg	Conemaugh			1.03				1.04	.05				T.	T.	.05	T.		.10	.17	.71	.45	1.08	.21											4.89
Franklin ²	Allegheny	T.		.70	T.			.07	.78	T.			.90		.04				.51	.09	.90	.80												4.75
Greensburg ²	Monongahela	.07		T.	1.02	T.		.11	.72	.02			.52	.03	.06	T.	.30	.39	.41	.41	.90	.39	.01											5.36
Greensburg	Youghiogheny			.73	.68	T.		T.	1.16	.05			.05	.40	.08	.27	.22	.13	.54	.66	.97	.13												6.08
Greenville	Beaver			.60	.10	.02		.29	.10				.35	.75	.10	.05			.75		1.75	.10												4.96
Grove City	Beaver	.01		.14	.03	.01		.69	.03				.14	.19	.04	.03		.02	.15	.17	.67	.02												2.34
Irwine	Monongahela			.77	.53	T.		T.	.82	.17			.05	.46	.03	.06		.21	.09	.42	.55	.98	.13											5.27
Johnstown	Conemaugh			.87	.52			.03	1.22	.06			.02	.31	.29	.09		.36	.24	.56	.65	.92	.26											6.40
Kane Airway Sta.	Allegheny			.86	.01	.01		1.10	T.				.87	.41	.06	.14	.11	.02	.39	1.68	.11	.76	.29											6.97
Kegars ²	Youghiogheny			1.35	.02			.25	.75	.04			.43	.07	.22	T.	.56	.02	.50	.44	1.07	.39	.02											6.13
Lake Lynn ²	Monongahela	.07		.60				.08	.73	.01			.54	.03	.11			.33	.29	.64	.72	.26	.02											4.43
Linesville ²	Beaver			1.05	.03			.03	.20	T.																								

Daily Temperatures for April, 1940

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Altoona.....	Maximum.....	49	56	57	70	50	52	58	50	51	57	64	57	34	35	48	61	61	67	52	42	42	47	56	52	55	57	62	65	76	74	55.2	
Altoona.....	Minimum.....	29	25	35	39	32	22	30	42	39	35	42	25	19	33	46	38	45	47	38	36	32	32	30	34	30	29	34	28	33	47	34.2	
Bedford.....	Maximum.....	53	59	59	74	72	54	59	56	52	60	67	66	31	37	53	67	61	61	61	50	42	50	58	57	56	59	60	67	78	75	58.7	
Bedford.....	Minimum.....	33	38	41	42	35	25	28	44	40	32	41	31	26	29	37	46	51	50	41	40	34	36	29	38	30	29	32	36	47	48	37.1	
Bethlehem.....	Maximum.....	60	54	51	60	59	57	65	60	58	58	64	64	37	37	19	56	55	49	51	48	44	42	55	55	59	63	60	68	72	74	56.2	
Bethlehem.....	Minimum.....	36	32	39	38	41	31	39	42	48	37	37	22	26	28	42	48	38	45	39	38	36	37	38	34	37	42	39	39	45	45	37.7	
Bloomsburg.....	Maximum.....	48	51	55	70	68	58	63	63	53	58	64	62	35	49	48	57	55	53	53	48	40	41	55	51	55	60	61	67	74	76	56.5	
Bloomsburg.....	Minimum.....	35	25	36	38	49	29	28	43	45	30	33	34	23	21	26	40	44	44	39	35	34	29	36	28	31	44	29	31	39	39	34.6	
Brookville.....	Maximum.....	46	52	58	68	49	54	60	55	50	64	64	64	34	38	57	63	59	65	58	40	42	46	55	54	55	69	69	66	77	72	59.1	
Brookville.....	Minimum.....	32	25	30	34	37	24	28	35	40	29	31	34	25	23	25	34	10	46	35	35	30	30	24	28	27	23	22	20	25	37	30.3	
Butler.....	Maximum.....	52	55	72	72	67	54	60	58	58	54	64	38	37	45	60	61	69	67	54	46	47	58	61	57	59	61	69	80	75	59.0		
Butler.....	Minimum.....	28	23	43	43	34	22	22	45	38	26	38	28	21	26	40	44	44	54	40	39	34	32	26	36	36	28	27	24	40	54	34.6	
Carlisle.....	Maximum.....	57	60	62	78	74	62	64	55	55	64	70	63	43	44	48	58	56	56	55	45	41	49	61	57	58	66	63	68	78	76	59.5	
Carlisle.....	Minimum.....	35	27	45	41	40	30	32	48	46	31	33	25	24	38	42	15	44	43	41	38	38	35	42	38	47	37	37	31	41	41	37.9	
Chambersburg.....	Maximum.....	55	60	54	77	60	59	63	57	52	63	66	58	38	40	48	59	54	59	57	44	44	59	59	54	60	61	62	65	71	77	57.9	
Chambersburg.....	Minimum.....	36	30	36	42	40	30	34	45	43	40	34	25	25	28	40	49	49	47	44	40	37	39	37	41	31	33	40	40	34	45	37.5	
Chambersville.....	Maximum.....	59	57	71	71	52	57	62	60	56	60	68	60	40	37	60	66	67	67	50	43	42	50	55	55	60	59	61	66	81	81	59.1	
Chambersville.....	Minimum.....	29	23	43	49	33	21	26	46	38	26	37	29	21	20	27	45	48	49	39	39	33	35	26	39	32	29	31	24	34	59	34.4	
Claysville.....	Maximum.....	62	58	78	70	57	55	59	63	53	58	63	53	35	45	51	63	72	66	49	41	45	56	55	58	58	56	60	66	78	76	58.8	
Claysville.....	Minimum.....	27	28	18	41	33	20	30	47	38	30	31	24	20	19	33	15	32	46	38	40	34	30	25	39	30	27	27	27	41	56	43.7	
Clearfield.....	Maximum.....	56	52	63	63	50	55	56	55	52	58	59	57	35	35	55	63	63	66	53	44	40	42	59	58	53	55	61	69	81	72	55.6	
Clearfield.....	Minimum.....	30	20	35	35	33	23	25	42	37	25	33	29	20	19	25	42	45	48	36	37	32	33	27	34	29	23	24	27	27	27	30.8	
Coatesville.....	Maximum.....	52	55	56	64	55	56	62	50	55	58	65	55	38	39	50	52	54	60	59	45	42	43	56	52	59	60	61	64	70	73	55.3	
Coatesville.....	Minimum.....	31	29	36	38	40	29	31	41	42	32	32	28	21	22	25	37	44	39	42	37	35	33	31	37	30	35	37	34	33	35	34.0	
Corry.....	Maximum.....	53	47	53	60	44	53	60	55	52	57	63	49	35	37	59	60	65	63	49	45	41	44	52	55	54	55	57	70	78	75	51.7	
Corry.....	Minimum.....	26	19	34	35	28	20	25	42	32	20	31	21	15	16	25	37	32	37	31	33	31	29	23	27	27	24	22	20	25	47	28.3	
Coudersport.....	Maximum.....	45	49	48	62	45	53	59	51	47	59	63	49	34	33	53	64	55	61	51	47	37	39	53	51	52	51	56	58	70	80	71	53.1
Coudersport.....	Minimum.....	28	17	33	35	30	20	23	40	34	23	29	22	14	19	17	37	36	61	31	31	29	24	28	22	26	22	20	25	47	27	29.9	
Donora*.....	Maximum.....	56	59	82	73	52	56	64	62	47	60	68	53	37	42	58	62	75	69	47	49	47	55	59	60	59	59	63	69	80	73	59.7	
Donora*.....	Minimum.....	38	34	50	45	36	29	34	47	39	36	44	27	25	25	38	51	51	47	43	36	38	32	43	39	35	41	36	40	62	59	39.2	
Ebensburg.....	Maximum.....	46	52	51	66	47	45	46	48	48	47	55	54	24	31	48	57	58	49	50	39	35	39	48	49	50	48	51	58	67	68	49.1	
Ebensburg.....	Minimum.....	27	21	27	41	29	20	26	41	32	31	33	21	16	15	22	42	45	46	35	34	31	30	27	33	29	27	31	34	35	41	31.2	
Emporium.....	Maximum.....	45	52	53	69	56	60	61	54	54	58	65	58	33	35	53	64	67	68	53	53	41	41	54	52	53	58	59	67	81	82	56.6	
Emporium.....	Minimum.....	32	25	35	37	34	25	21	45	39	25	32	22	20	21	21	40	39	49	37	37	33	34	30	31	30	29	24	23	26	44	31.3	
Ephrata.....	Maximum.....	56	61	58	70	58	60	64	56	57	62	68	57	39	40	49	58	55	59	58	48	44	46	61	59	60	65	64	72	77	77	58.4	
Ephrata.....	Minimum.....	36	30	38	41	41	32	33	35	49	36	39	33	25	26	28	43	50	41	45	40	38	37	33	41	31	34	41	35	36	41	37.0	
Erie*.....	Maximum.....	38	40	51	51	38	46	55	62	42	43	62	31	32	36	61	50	60	65	43	38	44	43	50	52	50	53	52	56	79	71	43.8	
Erie*.....	Minimum.....	31	28	34	34	29	28	37	41	35	30	25	22	25	26	35	32	39	37	32	35	35	33	35	37	34	35	37	49	51	49	34.0	
Franklin.....	Maximum.....	46	52	57	62	44	53	58	57	50	56	62	40	34	38	61	65	64	65	50	41	44	46	56	56	54	56	58	67	77	72	54.7	
Franklin.....	Minimum.....	30	24	26	39	34	24	25	29	40	28	29	28	21	23	26	35	35	37	38	38	35	36	27	29	35	30	27	26	32	33	30.6	
Freeland.....	Maximum.....	41	47	56	60	56	50	59	51	54	58	54	31	37	39	50	55	51	50	53	44	36	43	48	47	53	51	58	63	72	74	50.6	
Freeland.....	Minimum.....	30	19	29	33	31	21	32	18	39	34	24	11	17	17	22	36	41	23	37	34	31	25	27	33	31	34	35	43	42	29	29.0	
George School.....	Maximum.....	55	57	55	58	58	61	62	60	59	61	65	60	40	40	53	58	57	56	57	49	43	41	59	54	60	62	62	68	70	74	57.2	
George School.....	Minimum.....	33	28	37	39	38	29	32	43	47	36	33	33	21	24	28	47	39	45	39	37	35	32	36	39	35	40	34	34	39	35	35.7	
Gettysburg.....	Maximum.....	64	59	56	77	75	60	62	57	53	62	68	64	38	41	48	56	55	62	52	52	47	49	60	56	60	61	62	66	74	76	59.1	
Gettysburg.....	Minimum.....	36	30	40	41	41	30	35	43	46	34	42	35	25	23	28	41	49	45	43	40	37	38	33	41	31	34	41	36	33	44	37.2	
Gordon.....	Maximum.....	51	50	49	69	65	57	61	52	54	57	64	59	36	37	45	56	54	51	51	46	39	39	54	50	50	58	59	65	73	73	51.1	
Gordon.....	Minimum.....	34	24	34	39	37	38	27	40	45	33	32	31	21	15	21	42	38	43	38	32	32	29	32	23	27	28	29	38	38	32	32.5	
Greensburg.....	Maximum.....	53	56	78	71	54	56	63	60	51	59	67	53	36	38	55	61	60	68	50	45	43	52	56	57	58	61	69	80	75	75	58.4	
Greensburg.....	Minimum.....	31	29	42	47	35	32	32	47	39	32	41	28	22	21	35	49	50	50	39	33	34	30	38	36	31							

Daily Temperatures for April, 1940—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton	Maximum	61	53	53	61	64	57	59	60	57	55	63	65	36	38	48	54	55	50	51	50	45	42	53	55	56	60	61	64	69	70		55.5
	Minimum	36	26	34	40	40	32	31	42	47	35	33	35	23	21	24	42	42	39	42	40	37	35	33	36	27	31	34	32	31	40		34.7
Quakertown	Maximum	54	53	50	59	58	57	61	57	57	57	63	69	36	39	49	55	55	54	54	47	44	42	56	52	58	62	61	60	65	70		55.5
	Minimum	39	30	34	38	39	29	32	41	48	34	31	33	21	24	26	39	36	38	43	39	36	34	34	34	27	30	37	30	30	44		34.3
Reading*	Maximum	51	58	51	66	54	60	64	53	57	59	66	57	38	40	50	57	58	57	53	46	46	44	60	54	56	63	63	68	73	74		56.4
	Minimum	37	33	40	41	39	33	39	46	44	37	41	28	25	27	32	44	43	40	46	41	39	37	35	41	35	38	45	39	40	46		38.3
Retreat	Maximum																																
	Minimum																																
Ridgway†	Maximum	56	47	51	54	63	47	54	60	54	44	58	64	31	32	47	57	61	57	66	52	41	42	40	55	52	54	52	58	68	78		53.2
	Minimum	30	19	24	33	32	19	23	27	37	21	26	26	18	18	22	29	34	45	35	36	32	32	25	32	28	28	20	20	20	35		27.5
Serautou*	Maximum	42	46	52	64	45	54	60	53	54	52	64	52	33	35	52	53	55	58	53	44	41	39	48	48	56	58	58	64	75	75		52.8
	Minimum	35	30	33	42	32	30	35	43	39	35	36	23	22	23	25	41	40	44	42	37	35	34	35	36	32	35	40	38	35	45		35.1
Selinsgrove	Maximum	51	53	54	71	69	60	61	56	55	57	65	65	37	39	48	56	55	52	55	47	42	44	56	54	54	62	60	66	72	71		56.2
	Minimum	34	27	36	41	38	27	30	43	43	30	37	31	23	24	25	41	45	42	43	40	36	34	29	38	29	34	44	29	31	43		34.9
Somerset	Maximum	54	57	63	66	53	49	56	51	49	55	63	59	28	31	47	63	55	63	50	40	37	44	54	53	51	54	57	64	75	70		53.7
	Minimum	28	24	40	43	30	20	24	41	33	32	31	25	17	17	20	45	48	50	35	36	30	30	25	34	25	24	27	22	27	47		31.0
Springs	Maximum	55	60	60	67	49	49	53	50	47	53	63	54	26	32	46	61	54	63	48	40	35	46	55	48	50	51	54	60	73	66		52.3
	Minimum	28	25	34	42	29	18	25	41	33	32	33	21	14	18	23	36	47	47	37	33	30	30	24	32	28	25	29	24	28	43		30.3
State College	Maximum	49	54	54	71	51	55	60	51	49	60	64	45	34	38	49	60	51	61	48	43	41	43	53	53	54	59	60	66	75	74		54.2
	Minimum	30	25	35	38	33	25	29	34	38	29	39	32	19	20	30	40	45	46	39	33	31	33	31	37	30	31	33	29	36	50		33.3
Stroudsburg†	Maximum																																
	Minimum																																
Towanda	Maximum	44	48	50	65	48	55	59	53	54	54	65	59	34	37	53	58	59	58	55	49	41	40	51	50	58	53	52	65	77	77		54.0
	Minimum	33	25	30	39	34	28	28	42	39	31	31	27	22	23	20	35	34	46	40	36	33	31	31	29	27	29	31	27	28	43		31.7
Uniontown	Maximum	62	62	80	74	58	57	64	63	53	61	69	57	37	40	52	67	73	70	53	49	43	57	59	58	60	59	62	71	81	76		60.9
	Minimum	33	30	48	49	37	25	33	49	41	34	44	29	29	20	35	49	51	53	40	42	34	32	29	42	36	31	37	31	39	62		37.9
Vandergrift*	Maximum	52	55	70	56	50	56	61	54	45	56	56	40	32	37	55	65	65	64	47	41	43	50	55	58	56	60	60	66	78	69		55.1
	Minimum	32	27	45	44	31	25	30	45	35	30	40	26	24	24	33	48	48	45	41	33	33	38	30	42	37	30	31	28	33	49		35.2
Warren	Maximum	54	47	52	67	44	38	56	54	45	55	61	50	33	35	57	61	60	65	51	47	40	41	53	52	53	57	57	70	80	73		53.6
	Minimum	29	21	38	35	33	22	25	44	35	26	33	24	20	22	26	41	34	41	35	35	34	33	29	29	31	30	26	25	32	57		31.5
Waynesburg	Maximum	60	60	80	72	58	55	63	66	52	59	65	51	33	41	54	66	73	68	49	46	44	56	59	58	57	57	60	70	79	76		59.7
	Minimum	31	30	42	49	34	24	31	49	40	33	42	27	22	20	35	46	46	49	40	41	33	31	28	39	34	30	33	29	36	58		36.1
Wellsboro	Maximum	42	46	49	63	45	42	58	52	48	51	62	52	32	34	48	59	53	60	53	46	38	39	50	49	55	55	64	78	76		51.8	
	Minimum	31	23	32	38	33	26	25	42	38	25	30	25	18	20	20	36	40	40	38	33	33	31	27	29	24	28	25	24	28	45		30.2
West Chester	Maximum	54	59	56	62	55	58	64	52	57	60	67	56	37	39	48	64	55	61	59	45	44	43	59	52	59	61	63	67	71	76		56.8
	Minimum	35	31	39	40	41	30	32	44	49	34	39	33	21	21	27	40	48	40	45	40	37	35	32	41	34	37	41	36	36	39		36.6
Wilkes-Barre	Maximum																																
	Minimum																																
Williamsport	Maximum	55	52	54	61	57	56	60	56	53	58	64	63	36	37	47	53	52	57	58	48	41	42	54	53	55	59	60	68	75	73		55.2
	Minimum	35	27	37	40	37	29	30	42	42	29	34	32	22	23	24	41	40	43	37	38	35	34	30	36	27	32	32	31	32	50		34.0
Williamstown	Maximum	58	53	54	67	51	65	55	53	56	63	62	33	35	44	55	54	48	56	45	40	39	55	54	55	59	61	66	72	75		55.0	
	Minimum	30	26	34	35	33	26	35	38	42	31	38	30	18	20	26	39	43	36	37	34	30	29	29	36	33	34	36	34	40	44		33.2
York	Maximum	63	56	55	72	65	59	63	58	54	60	66	62	38	40	50	58	55	64	61	47	45	46	60	59	60	60	61	66	75	78		58.5
	Minimum	37	25	39	42	41	30	29	41	46	30	42	35	26	17	27	39	50	44	45	41	38	39	28	41	30	31	39	29	31	42		35.9

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. a, b, c, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	29.99	30.45	28	29.53	8	7.5	24	n.	20	74	65	71	53
Harrisburg.....	29.97	30.42	28	29.52	21	10.0	28	se.	20	69	52	57	46
Philadelphia.....	29.97	30.39	28	29.45	21	13.2	40	ne.	20	44	54	50	43
Pittsburgh.....	29.98	30.46	28	29.52	8	11.7	41	n.	3	41	52	49	41
Reading.....	29.98	30.41	28	29.48	21	13.0	38	se.	3	65	50	55	53
Scranton.....	29.97	30.42	28	29.50	21	7.7	33	n.w.	4	69	52	59	49

* For any five-minute period.

† Corrected to true velocities.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.....	Delaware.....	7.5	14.2	1	4.4	30	18
Easton.....	Delaware.....	11.7	26.2	1	5.8	30	22
Lehighton.....	Lehigh.....	9.2	9.2	1	.....	.....	9
Wilkes-Barre.....	Susquebanna.....	17.3	31.3	1	8.9	30	22
Williamsport.....	Susquehanna.....	11.2	22.7	1	4.8	30	20
Harrisburg.....	Susquehanna.....	10.9	19.8	1	5.5	30	18
Greensboro.....	Monongahela.....	17.1	29.4	20	11.6	30	80
West Newton.....	Youghiogheny.....	5.4	11.2	20	1.6	30	20
Lock No. 4.....	Monongahela.....	18.0	28.5	20	12.7	8	80
Pittsburgh.....	Ohio.....	27.5*	1	16.4*	15	25	25
Midland.....	Ohio.....	39.6*	21	13.4*	28	80	80

* Pool stage

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER
HARRISBURG, PA.

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No. 5.

NOTICE

In conformity with the policy of the Secretary of Agriculture to have all Section Centers, where possible, at State capitals, the Section Center for Pennsylvania was transferred from Philadelphia to Harrisburg on April 1, 1940. This new arrangement will afford closer cooperation between the State and Federal Departments of Agriculture. All correspondence relative to this publication should be addressed to Weather Bureau Office, 460 Education Building, Harrisburg, Pa.

GENERAL SUMMARY.

May, 1940 was decidedly colder than the corresponding month of 1939. The monthly mean temperature for the State averaged 59.2° or only 0.3° below normal. By sections, the mean was above 60° in the southeastern counties, and lower Susquehanna Valley, with gradual lowering to the low 50's in the Poconos and the Plateau counties, McKean, Elk and Jefferson. The first half of the month was relatively cold but higher temperatures were prevalent thereafter. Deficiency in temperature since the first of the year now totals 3.3°, a positive change of one degree over the previous month. Heavy frosts occurred quite generally on the 5th, 10th, 11th, and 12th, but no material damage was experienced as vegetation was not sufficiently advanced. Highest readings during the month occurred on the 14th and 15th over the eastern half of the State, while the western half received noticeable high readings mostly on the 19th.

The average precipitation was 4.46 inches or 0.62 of an inch above normal. This is the greatest monthly average for May since 1933. The accumulated excess in departure since January 1st is 2.28 inches. Six inch isohyets appear over Union and Snyder counties, and the southwest over Fayette and southeastern Westmoreland counties. Otherwise, the distribution is irregular and least over the area from Bedford and Franklin counties northward to McKean. Thunderstorms were frequent but scattered and amounts of over 2.00 inches fell at several stations in a 24-hour period with some newly ploughed fields being badly washed during these downpours. Despite the generally unfavorable weather during the month considerable progress was made in farm work in some localities. However, in other places the soil remained still too wet to work at the end of the month. Considerable cloudiness prevailed and sunshine was below normal. Snowfall was normal and mostly confined to the western counties; occurring on the 3d. Hail storms were scattered and light to heavy in intensity. Some fruit was damaged by hail at Cleversburg on the 27th.

A tornado of slight intensity occurred in the vicinity of Winburne, Clearfield county on May 1st at 4 p. m. A wooden garage was lifted from its foundation, carried about 75 feet, then demolished. Shingles were stripped off a house, numerous windows broken and much minor damage to roofs, signs, etc. At Penn Line, in Crawford county, a heavy wind storm was experienced on the 19th, causing some damage to trees and silos. Three silos were blown down and a barn unroofed. On May 20th, at Erie and suburban districts, one person was injured during a wind storm. Windows were shattered and the high winds moved a shelter building being constructed off its foundation by about three inches.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 91 stations, was 59.2°, which is 0.3° below the 53-year normal for May. The highest monthly mean was 63.6° at Selinsgrove, and the lowest was 52.1° at Mt. Pocono. Extremes ranged from a maximum of 93° at Carlisle, Ephrata and Ridgway on the 14th, 14th, and 16th, respectively, to a minimum of 22° at Coudersport on the 12th. The greatest daily range in temperature was 53° at Mt. Pocono and Brookville on the 13th and 19th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 192 stations, was 4.46 inches, which amount is 0.62 of an inch below the 53-year normal for May. The greatest monthly amount was 7.31 inches at Uniontown, and the least, 2.24 inches at Raymond. The greatest amount for any 24 consecutive hours was 2.50 inches at Gordon on the 26th.

Snowfall for the State averaged trace, which is normal for May.

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation		No of days.		
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy
1888.....	57.3	91	24	4.24	T.	16	4	11
1889.....	60.4	96	25	5.91	0	11	11	9
1890.....	58.5	89	23	6.71	0	15	7	11
1891.....	57.3	93	20	2.12	0.2	8	10	10
1892.....	58.5	91	28	5.70	0	16	7	10
1893.....	57.9	93	26	5.54	0	12	11	8
1894.....	60.8	92	27	8.88	0	16	9	8
1895.....	60.6	102	22	2.68	0	9	13	10
1896.....	65.4	98	31	2.85	0	10	10	12
1897.....	57.7	88	25	5.24	T.	12	11	10
1898.....	60.0	94	22	5.11	0	15	8	9
1899.....	61.1	100	24	3.82	0	11	10	11
1900.....	60.4	96	20	2.79	T	9	13	9
1901.....	58.9	91	28	5.56	0	15	8	9
1902.....	59.8	95	25	1.96	0	8	13	11
1903.....	61.8	94	18	1.67	0	7	16	9
1904.....	61.6	94	21	3.78	0	11	12	10
1905.....	60.8	93	22	2.59	0	12	11	9
1906.....	60.0	99	23	3.23	0	10	12	10
1907.....	54.8	91	19	3.08	0.1	11	17	9
1908.....	61.2	96	22	6.28	0.3	15	10	10
1909.....	59.2	92	23	2.90	0.1	10	12	10
1910.....	56.8	88	24	3.38	0	12	11	10
1911.....	65.2	99	20	1.97	0	7	17	10
1912.....	61.2	91	28	3.15	0	11	14	8
1913.....	58.5	93	21	3.86	0	10	13	8
1914.....	61.5	96	19	3.34	0	9	16	9
1915.....	56.2	84	21	4.16	0	14	10	8
1916.....	61.0	93	26	3.19	T.	13	12	11
1917.....	53.3	90	20	3.39	T.	13	9	10
1918.....	65.1	95	21	5.04	0	14	13	12
1919.....	59.5	98	27	5.80	0	14	13	7
1920.....	56.6	92	18	2.02	0	8	17	8
1921.....	59.8	93	22	3.93	0	11	14	8
1922.....	62.5	96	20	3.21	0	10	15	8
1923.....	58.3	93	20	3.50	0.6	8	19	6
1924.....	54.6	92	18	5.71	0	17	9	9
1925.....	55.2	98	22	3.49	0.2	11	13	10
1926.....	58.8	95	18	1.78	0	8	17	10
1927.....	58.2	92	23	4.14	0	16	9	9
1928.....	58.0	95	20	2.23	0	10	15	9
1929.....	58.5	97	23	4.81	T.	14	13	9
1930.....	61.2	99	25	3.03	0	10	15	8
1931.....	59.8	95	19	5.28	T.	15	13	9
1932.....	59.8	98	21	3.69	0	10	15	8
1933.....	62.2	94	24	5.86	0	18	8	10
1934.....	62.2	98	22	2.51	0	8	18	8
1935.....	56.0	92	21	3.00	0	10	13	8
1936.....	62.8	96	24	2.09	0	7	19	8
1937.....	60.7	96	24	3.39	0	11	14	10
1938.....	58.8	93	20	3.85	0	13	11	9
1939.....	62.8	99	20	1.58	T.	7	16	10
1940.....	59.2	93	22	4.46	T.	16	9	9
Period	59.5	102	18	3.84	T.	13	12	9

Climatological Data for May, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear	Pt. cloudy			Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	254	28	59.6	-0.8	89	15	38	9	36	4.57	+1.17	0.98	0	16	12	13	6	n.	John A. Frick.
	Altoona.....	Blair.....	1,615	53	57.9	-0.9	85	11	30	12	40	4.32	+0.30	1.07	0	16	15	8	8	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	350	20	60.4	-0.6	90	15	36	12	36	5.17	+1.23	1.88	0	18	8	9	19		H. L. Balderston.
	Arendtsville.....	Adams.....	700	18	61.0	+0.6	90	14	33	12	45	4.84	+1.00	1.01	0	16	8	9	14	se.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,060	8	59.8		88	14	33	9	45	4.48		1.49	0	9	10	5	16	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	54	61.4	-1.1	88	15	42	11	31	4.43	+1.31	0.91	0	17	11	2	18	sw.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	14																	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	71	62.8	+1.1	93	14	35	12	38	4.96	+1.58	0.79	0	11	9	9	13	ne.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	43	62.0	+0.7	90	14	32	12	40	2.59	-0.80	0.55	0	12	7	16	8	ne.	William B. Spear.
	Clearfield.....	Clearfield.....	1,120	39	57.2	-1.7	84	14	26	10	47	3.61	-0.76	1.07	0	12	17	2	12	sw.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	380	53	59.7	-1.6	88	14	36	11	40	3.87	+0.28	1.18	0	16	7	3	21	ne.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	560	28	59.3	-0.1	88	14	35	10	34	4.33	+0.74	1.37	0	15	11	5	15	e.	Wm. A. Rorer.
	Emporium.....	Cameron.....	1,050	55	58.2	+0.3	88	15	26	10	48	3.07	-1.12	1.37	0	12	15	0	16	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	380	43	62.8	+1.1	93	14	38	10	41	3.92	+0.88	1.18	0	14	5	12	14	n.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,970	47	57.2	+0.6	82	15	32	12	43	3.83	-0.01	0.80	0	16	3	2	26	w.	Andrew B. Evansha.
	George School.....	Bucks.....	190	34	60.8	-0.3	87	14	37	11	36	5.28	+1.92	1.08	0	13	5	14	12	nw.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	67	63.2	+1.5	92	14	38	12	40	4.54	+0.85	0.99	0	17	15	4	12	e.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	840	36	58.2	+0.1	87	14	28	10	42	5.71	+1.79	2.50	0	15	8	9	14	ne.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,875	25																	Steward W. Eilenberger.
	Hanover.....	York.....	600	36	63.3	+0.1	90	14	39	12	37	3.83	+0.46	0.84	0	16	11	5	15	e.	Thomas Y. Cooper.
Harrisburg.....	Dauphin.....	337	71	62.0	+0.2	92	14	42	10	40	3.56	+0.12	0.74	0	18	3	10	18	e.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	22	56.2	-0.9	85	15	27	12	43	3.63	-0.11	1.00	0	17	9	12	10	e.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	25	62.4	-0.5	87	14	43	12	29	4.18	+1.41	1.15	0	16	7	9	15	nw.	H. W. Lowy, C. E.	
Huntingdon.....	Huntingdon.....	650	53	59.7	-0.6	88	14	26	12	47	2.66	-1.09	0.60	0	12	10	13	8	w.	Prof. Paul R. Yoder.	
Kyertown.....	Clearfield.....	1,694	11	56.2	-1.5	82	14	30	12	40	3.68	+0.30	1.26	T.	19	.....	.....	.....	.....	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	255	53	61.1	+0.1	91	14	31	11	40	4.21	+1.26	1.25	0	15	12	9	10	nw.	Supt. of Water Works	
Lawrenceville.....	Tioga.....	1,000	43	57.6	+0.2	86	15	25	12	40	5.18	+1.38	1.30	0	11	10	9	12	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	469	56	60.4	-0.7	91	14	35	12	39	5.03	+1.77	2.33	0	15	13	9	9	se.	Lebanon Valley Gas	
Lewistown.....	Mifflin.....	500	2	62.5	.....	90	14	36	10	43	3.93	.....	0.73	0	13	6	11	14	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	580	50	61.5	-0.3	87	15	31	12	40	5.06	+1.01	1.89	0	16	4	20	7	ne.	Joseph Beaver.	
Marcus Hook.....	Delaware.....	50	14	65.7	-0.1	90	13	43	11	32	4.53	+1.44	1.18	0	15	13	6	12	.....	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,620	35	56.1	+1.1	81	15	31	12	36	4.17	+0.34	0.78	0	16	3	11	17	nw.	Philip F. Chamberlain.	
Mt. Pocono.....	Monroe.....	1,720	34	52.1	-1.8	82	15	23	13	53	5.63	+1.55	1.55	0	17	6	8	17	nw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	1,045	28	57.4	+0.4	84	15	26	11	42	4.64	+0.59	1.19	0	11	11	14	6	w.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	60	51	60.4	+0.3	87	14	40	13	38	4.04	+0.08	1.70	0	16	13	6	12	e.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	2	60.0	.....	90	14	29	12	44	5.89	.....	1.27	0	13	12	10	9	sw.	J. Earl Sneefer.	
Palmerton.....	Carbon.....	398	22	59.5	-0.1	90	14	33	10	40	3.41	-0.01	0.92	0	16	7	14	10	ne.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	69	62.4	-0.5	88	15	43	12	29	4.89	+1.63	2.05	0	17	3	9	19	ne.	U. S. Weather Bureau	
Phila. Navy Yard.....	Philadelphia.....	20	24	63.2	+0.6	89	14	44	12	30	5.31	+2.19	2.36	0	18	6	9	16	ne.	Navy Aeronautical Office	
Phoenixville.....	Chester.....	100	30	61.4	-0.6	90	14	35	11	40	5.30	+1.54	1.32	0	14	11	8	12	w.	Philadelphia Sub. Water Co	
Port Clinton.....	Schuylkill.....	407	2	59.8	-1.3	90	15	30	12	42	3.67	-0.47	1.05	0	12	14	6	11	s.	E. E. Rarick.	
Quakertown.....	Bucks.....	496	55	60.0	+0.4	87	15	33	10	37	4.46	+1.10	1.40	0	18	8	10	13	s.	John E. Benner.	
Reading.....	Berks.....	273	70	61.7	-0.3	89	14	40	12	35	2.70	-0.97	0.63	0	16	8	9	14	se.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	46	59.0	-0.4	87	15	37	12	39	2.98	-0.29	0.86	0	15	3	10	18	n.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	455	50	63.6	+2.9	88	14	39	6	36	5.66	+1.96	1.28	0	16	6	12	13	sw.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	44	62.1	-1.0	88	15	37	12	34	5.61	+2.33	2.20	0	15	7	4	20	nw.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	7	61.9	.....	90	14	34	12	42	3.82	.....	0.94	0	13	11	7	13	sw.	State Teachers College	
State College.....	Centre.....	1,217	56	58.4	-0.4	85	14	34	12	38	4.30	+0.41	1.22	0	15	7	13	11	w.	C. A. Kern.	
Stroudsburg.....	Monroe.....	500	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	State Teachers College	
Towanda.....	Bradford.....	754	46	57.8	+0.3	88	15	29	10	47	4.73	+1.87	0.70	0	15	5	12	14	e.	Mrs. M. Ordeila Parks.	
Wellsboro.....	Tioga.....	1,419	70	57.1	+0.7	85	15	26	12	42	3.87	+0.47	1.52	0	13	22	2	7	n.	George W. Hill.	
West Chester.....	Chester.....	455	91	61.0	+0.2	87	14	38	12	34	5.24	+1.36	1.34	0	16	9	10	12	e.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	2	59.1	.....	88	15	32	12	41	3.02	+0.13	0.55	0	17	3	8	20	.....	U. S. Airways Station.	
Williamsport.....	Lycoming.....	521	54	60.5	0.0	85	14	33	12	39	5.31	+1.48	1.14	0	14	8	5	14	w.	Mrs. Ralph F. Keller.	
Williamstown.....	Dauphin.....	1,275	25	59.6	-0.6	86	14	36	12	36	3.88	+0.07	0.64	0	14	8	9	14	se.	Susquehanna Collieries Co.	
York.....	York.....	400	52	61.8	+0.3	90	14	31	12	44	4.11	+1.09	0.88	0	17	12	10	9	e.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,173	50	52.4	-3.1	88	19	25	10	53	4.03	+0.61	1.06	0	16	6	8	16		Frauk S. Fawcett.
	Butler.....	Butler.....	1,077	27	59.3	-0.2	89	19	28	6	47	5.05	+1.52	2.05	T.	14	9	15	7	w.	William C. Faust.
	Chambersville.....	Indiana.....	1,047	39	59.2	-0.5	92	19	27	12	48	4.34	+0.23	0.75	0	16	12	7	12	sw.	John E. Lewis.
	Clairston.....	Allegheny.....	1,020	8	60.6	+0.2	92	19	33	5	38	4.33	+0.59	1.78	0	18	12	5			

Daily Precipitation for May, 1940

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh	.22	.09	.04	.01					.14	T.					T.	.34	.79	T.			.98	.01	.07	.05	.05	.57	.02	.79	T.		.40	4.57	
Altoona ²	Juniata	.21	.26	.09	.08					.22				.12	.19	.09	.22	T.			.02	1.07				.69	.14	.42			.04	.46	4.82	
Ansonia ²	W. Br. Susq.	.18	.08	.15	.01	.03							.04				.02	.39			1.41					.33	.52	.05		.26	.01	.39	3.87	
Ardmore ²	Lower Del.	T.	.22	.12	.08					.11	.08						1.83	.05			.40	.52	.15	.01	.02	.04	.02	.85	.11		.38	.65	5.17	
Aronsville ²	Lower Susq.	.40	.05	.02			.05			.05			.07	T.			.56	.24			.03	.03				.12	.88	1.01	.40	.28	T.		.65	4.84
Baker's Summit	Juniata	.16	.15	.07	.04		.24			.13			.01	.18	.30			.42	.72			.64	.34			.08	.28	.03	.26			.74	3.81	
Bald Eagle ¹	Middle Susq.	.18		.16	.03					.09	.05	.17	.30	.04	.03							.64	.34			.14	.36	.05	.28			.06	.76	5
Bedford ²	Juniata	T.	.31	T.	.08			.25	T.					.31			.29				1.49				T.	.46	T.	.37			.92		1.48	
Bellefonte	W. Br. Susq.																																	
Berwindale ¹	W. Br. Susq.	.42	.04	.12	.08	.02	.05		.11	.18			.02	.04	.29	.26	.04				.46	.38				.20	.09	.07			.09	.36	3.82	
Bethlehem	Lehigh	.02	.21	.06	.07					.14						.60	.56				.01	.75	.05	.13	.02	.28	.15	.02	.91			.45	4.43	
Big Knob ²	Susquehanna	T.	.28	.02	T.			.02		.11				.08	.04		.51				.29	.03			.07	.67	.77	.33	.04	T.		.80	4.06	
Bloomburg	Susquehanna																																	
Blosserville	Lower Susq.	.23	.07			T.	.01		.04				.02	.01	.61	.02					.03		T.			.85	.28	.49	.04			.84	3.64	
Buffalo Mill ²	Potomac	.26					.19	.06	.10							.28				1.29						.27	.32	.27				.89	3.97	
Carlisle	Lower Susq.	T.	.62	.07	T.		T.	T.	.09		T.		.05	T.		.83	.10				T.	T.	T.	T.	T.	T.	.73	.26	.78	.79	T.	.64	4.96	
Carter Camp	W. Br. Susq.	.20	.02	.17	.07				.18	.02		.04	.04	.03	.30	.03					.37	.44	.03			.30	.18	.13	.03	.31	.03		5	
Centre Hall	Susquehanna	.35	.05	.15				.44		.02			.12	.17	.45					1.40					.01	.43	.05	.25	.02	.01		.27	1.17	
Chambersburg ²	Potomac	.12					.07			.02				T.	T.	.55					.04	.01				.55	.33	.46	.19	.02		.28	2.59	
Clearfield ²	W. Br. Susq.	T.	.53	.12	.08		T.	T.		.21				.14	.27		.29				1.07				T.	.36	.08	.12				.34	3.61	
Coatesville	Lower Del.	.30	.01	.05				.05		.05	.27					.15				.86	.02	.18		.03	.30	.16	.05	.14		.12	.18	3.87		
Colebrook	Lower Susq.	.05	.26	.02	.10			.05		.05						.36	.35				.14	T.	T.	T.	T.	.04	.46	1.37	.19	.44		.05	.45	4.33
Conshohocken	Schuylkill	.07		.06				.02		.02		.01				1.59	.38				.81	T.	T.	T.	T.	.02	.01	.04	.17	.11		T.	1.07	4.48
Covington ²	N. Br. Susq.	.23	.10	.22				.40		.23						.23	.10			1.50					.30		.80	.33	.15	.15	.40		4.91	
Doylstown	Lower Del.	T.	.09	.15	.11			.05		.05	.01			.08		.48	.63				.02	1.23	.03	.06	T.	.18	.05	.02	.24			.99	4.43	
Driftwood ¹	W. Br. Susq.	.38	.02	.10	.02	.04		.36					.16	.10	.29					.45	.47				.28	.14	.01	.07			.05	.24	5	
Du Bois	W. Br. Susq.	.18	.10	.17	.05	T.	T.	.30				.08	.12	.09	.23	.01		.23	1.83					T.	.40		.19			T.	.25	4.76		
Emporium	W. Br. Susq.	.13	.14	.14				.14					.14			.32				.05	1.32					.30	.20	.08				.11	3.07	
English Center ¹	W. Br. Susq.	.38	.08	.10	.15			.28					.34	.09			.49	.14		1.16	.53				.14	1.06	.20	.03	.25		.02	.40	5.23	
Ephrata	Lower Susq.	.01	.20	.05	.06			.02		.02						.49	.14			.26	.07					.60	1.18	.08	.20			.56	3.92	
Fredericksburg ²	Schuylkill	.26	.08	.08				.08			.30			.39		.53				1.84	T.	.05	.04	.05	.04	.40	.14	.07	.23			.71	4.52	
Freeland ²	Lehigh	.29	.12	.06												.15					.20	.03	.02	.09	.45	.80	.33	.08			.07	.45	3.83	
Galeton	N. Br. Susq.	.08	.13	.02			.16	.05	T.	.02		.02		.16	.01		T.		1.12					.02	.33	.29	.02	.39			.39	.31	5.28	
George School	Lower Del.	T.	.11	.13	.32			.08		.08	T.	.02		.01		1.08	.73			.82	T.	.27	T.	T.	T.	.04	T.	T.	T.	.46		1.21	5.21	
Gettysburg	Potomac	.02	.37	.06	.01		.11	.03		T.		.05			.54	.38				.14		.01		.11	.99	.58	.53	.23			.38	.44	3.62	
Girardville ²	Lower Susq.	.30	.08	.04			.20								T.	.46	.17				.18	.03			.17	1.00	T.	.04	.46		.49	3.54		
Gordon	Lower Susq.	.57	.04	.14				.18						.01		.58	.20				.20	.28			.01	.35	2.50	.02	.15		.48	5.71		
Gouldsboro ²	Lehigh																																	
Graterford	Schuylkill	T.	.23		.06						.01	.03				1.04	.21				2.21	.02	.34	.06	.31	T.	.05	.02			.98	5.57		
Hanover	Lower Susq.	T.	.35	.07			.02	.07		.07			.03			.55	.84			.58	.04	.03		.01	.22	.17	.32	.14			.39	3.83		
Harrisburg ¹	Lower Susq.	.25	.17	.05	.04	.07		T.	.04		T.		.01	.02	.01	.59				.74			T.	T.	.05	.27	.06	.24	.34		.24	.37	3.56	
Hawley ²	Upper Del.	.01	.22	.12	.37			.34			T.	.02		.07	.24	1.00				.33		.04	.10	.03	.17	.03	.10				.41	3.63		
Holl storeville ²	Upper Del.	.19	.01	.28	T.			.43		.43			T.	T.	.28	.42				.37		.01	.03	.43	.87	T.	.09				.32	3.83		
Holtwood ²	Lower Susq.	T.	.21	.05	.02		.09	.04		.04			T.	T.	.26	.36				.67	T.	.03	.01	.16	1.15	.07	.13	.30		.63	.41	4.18		
Huntingdon	Juniata	T.	.25	.13				.18		T.			.09	.06	.01	.40				.60				.29	.20	T.	.43	.02			.26	2.66		
Huntsdale ¹	Lower Susq.	.37	.13			.08		.09		.09			.56	.68										.22	1.16	.10	.40	.15		.32	.85	5.11		
Hyndman ²	Potomac	.17				.05		.04					.15	.29					.71						.50	.09	.69	T.		T.	.84	3.53		
Kylestown ²	W. Br. Susq.	.52	T.	.08	.11		.04	.17	.07		.14	.01	.17	.21	.01	T.	1.08	.18			.41		.05	.11	.23	.08	.05	T.		.03	.39	3.68		
Lakeville ²	Upper Del.	.20	.14	.35	.01			.38		.38				.02	.30	.63								.05	.16	.06	.24	.08	.12		.38	3.53		
Lancaster	Lower Susq.	.20	.05	.06		T.		.05					T.		.36	.36				.45	.24	.05			.29	1.25	.07	.15	.03		.60	4.21		
Lansford ²	Lehigh																																	

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Stations	Drainage Basin	Day of month																															Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Atlantic Drainage (continued)																																			
Shade Gap ¹	Middle Susq.	.45	.06	.04						.10			.06	.03		.34	.03			.04	.27				.48	.20	.20	.46			.36	.63	3.75		
Shawmont ¹	Schuylkill		.09	.21	.05					.10			T.	.03			.61	1.59				1.22		.05	.05	.06	.10	.01	.38			1.06	5.61		
Shippensburg ¹	Lower Susq.		.38	.02	T.			T.				T.		.10			.53	.54				.01			.08	.94	.30	.51	.04	.07	T.	.30	4.32		
State College ¹	W. Br. Susq.	.29	.12	.15	.04		T.			.51			T.		.13	.22	.24	.31	T.		.32	.90			.04	.39		.29			.35	4.30			
Stroudsburg ²	Upper Del.																																		
Sunbury ²	Lower Susq.		.69	.02	.04	T.		T.		.25			.05	.03		.03	.80	.42			T.	.03		.01	.03	.37	.78	.29	.75	.01		.75	5.35		
Susquehanna ²	N. Br. Susq.		.20	T.	.14					.09			.03			.07	.26	.07			.27	.15	.02				.55	.18	.01	T.	.23	2.27			
Towanda ¹	N. Br. Susq.	T.	.27	.21	.22		T.		.09	.07			.05		T.	.14	T.	.53	.05		T.	.57				.47	.70	.04	.62		.70	4.73			
Weikert ¹	Lower Susq.		.45		.06					.40	.06				.06		.47				1.40				.87	1.16	.36	.06		.72		6.07			
Wellsboro ²	N. Br. Susq.	T.	.30	.12	.21	.05				.26				.08		.39	T.				1.52				.19	.61	.05	.06			.03	3.87			
Wernersville ² [nr]	Schuylkill																																		
West Chester ¹	Lower Del.		.18	.13	.07					.10		.24	.05				.83	.23			T.	1.34	.10	.09	T.	.30	.09	.01	.35		1.13	5.24			
Westgrove ²	Lower Del.		.23	.18	.04									.13			.03	.74			T.	1.25	.24	T.	T.	.29	.03	T.	.54	.01	1.13	4.84			
Wilkes-Barre ²	N. Br. Susq.	.16	.12	.02	.05		T.		.06	.34				T.	.08	.10	.26	.01			.55	.02	T.	T.	T.	.14	.43	T.	.51		.12	3.02			
Wilkes-Barre ²	N. Br. Susq.		.27	.04	.05	.03				.33							.27	.09				.54				.03	.90	T.	.23	.02	.19	2.99			
Williamsport ²	W. Br. Susq.	T.	.78	.01	.08			.02	.01	.47				.02	.01	.01	.55	.01			.62	.06			.02	.35	.85	.12	T.	.18	1.14	5.31			
Williamstown ¹	Lower Susq.		.21	.18	.13			T.		.17					.07		.51	.23			.20	T.				.30	.64	.24	.27	.13	.60	3.88			
York ¹	Lower Susq.		.33	.09				.35	.02	.05				.02			.44	.46			.33	.07	.02		.06	.06	.58	.30	.51		.42	4.11			
York Haven ²	Lower Susq.		.22	.03	.10	T.		.16		.06							.42	.40				.07				.15	.24	.26	.45	.27	.72	3.55			
Zionsville ¹ (near)	Schuylkill		.21	.10						.05							.63	.60			2.65			.15	.14	.39	.12	.08	.65		.41	5.18			
Trenton, N. J. ¹	Lower Del.	.11	T.	.42	T.		T.			.04		.10			T.		T.		1.66	.02		.11	.55	.15	.07	.01	.03	T.	.31	.66	.33	1.36	5.93		
Ohio Drainage																																			
Acmetonia ²	Allegheny		.40	.03	.03				.51		.35				.09		.31	.02			T.	.10				.48	.48	.02	.19		.03	.20	1.65	4.89	
Beaver Falls ²	Beaver	T.	.32	.10	.02		T.	T.	.19	.05	.18				T.	.18	T.	.30	.03	T.	T.	.20			T.	.34	.29	T.	.07			.12	1.89	4.28	
Blairsville ²	Allegheny		.26	.03	.08	T.			.05		.17				T.	.02	.70	.25	T.	.06	T.	1.79				.34	.39	.07	1.64		.34	.69	6.88		
Bradford ¹	Allegheny	.03	.38	.15	.02		.04		.11	.03					.24		.57	.02			.09	.62	.03	T.	.60	.17		.30	.58		.12	4.10			
Brookville ²	Allegheny		.40	.17	.08		.02	.06		.23				.09	.16		.30			.01		.30				.20	.20	1.06			.65	4.03			
Bucktown ¹	Allegheny	.33					.06	.01	.06	.16				.02	.12	.30	.03	.02			.91	.32			.22	.14	.22	.08		.70	.28	3.98			
Butler ²	Ohio	.39	.05	.05					.09		.09				.19	T.	.50	.03		.12	T.				.94	.22		.31	.06	.05	2.05	5.05			
Chambersville ¹	Allegheny	.30	.06	.05	.04		T.			.13			.02	.12	.16	.10					.64			T.	.19	.39	.41	.75		.29	.69	4.34			
Clairton ³	Monongahela	.39	.02	.04	T.		T.		.02	.06			.13	T.	.23	.01	.01		.08					.40	.50	.13	.15	.04		1.41	.78	2.00	4.33		
Clarion ²	Allegheny		.68	.15	.06				.14		.17			.07	.16	.33					.22				.81	.21	.05	.73			1.08	4.66			
Claysville ¹	Ohio	.11	.01	.06	.06	T.			.03	.03	.12	T.		T.	.25	.15	.14	.08	.05	T.		.07		T.	.17	.71	.18		.13	.02	.90	1.08	4.30		
Confluence ²	Youghiogheny		.31	T.	.05			.55	T.		.55				.28		.18	T.			1.18				.47	.42	.08	1.20		.18	1.76	6.67			
Connellsville ²	Monongahela		.22	T.	.07			.22	.04	.08	T.			.15		.26	.04	.01			.91				.72	.41	.04	.12		T.	.15	.74	5.18		
Corapolis ²	Ohio	.01	.21	.09	.03		T.	.68		.17					.30		.31	.03		T.	.08				.50	.36	.01	.01		.08	1.75	4.62			
Corry ¹	Allegheny		.60		.15			.22						.25		.55					.10				.90	.20		1.05		.20	.55	4.77			
Coudersport ¹	Allegheny	.02	.31	.14	.04		.05		.12						.10		.28	.29		.02		1.73			.41	.29	.06	.31			.08	4.25			
Derry ¹	Conemaugh	.17		.05	.03		.10	T.		.42		.02		.13		.03	.18				T.	1.49			.20	.36	.29	.55	1.48		T.	.79	.84	7.13	
Donora ²	Monongahela		.37	.01	.04				.10		.10				.48		.22	T.			T.	.31				.48	.45	.17	.16		.02	.14	1.80	4.75	
Dunlop ¹	Allegheny	.40	.01		.03		.30		.18	.27					.10	.25	.42				T.	.75	.44				.45	.20	.10		.01	.60	.30	4.67	
Ebensburg ¹	Conemaugh	.25	.34	.05	.04					.11					.02		.11	.22	T.		T.	.86				.05	.35		.15			.10		2.85	
Franklin ²	Allegheny	.03	.34	.06	.08		.03	.10	.04	.11					T.	.12		.41	.12			.23			T.	.13	.19	T.	.21		.14	.26	4.78		
Greensburg ²	Monongahela	.03	.24	.05	.03			.13		.01					.16		.18	.02			T.	.83				.37	.75	T.	.05			.45	2.00	5.27	
Greensburg ²	Youghiogheny	.27	.02	.03	T.		.28		.22					T.	.06	.09	.19	.02			.21	1.13			T.	.02	.50	.40	T.	.62	T.	.69	1.18	5.93	
Greenville ¹	Beaver	.25	.05	.10	.05		.25	.08	.05	.05				.25	.22	.02	.01		.15		T.			.11	.45	.20		.09		.08	.55	1.28	5.24		
Grove City ¹	Beaver	.40	.04	.31	.02		.08	.02	.01	.08					T.	.28	.35	.06			.02		.20	.20	.88	.36	.12	.04	.17	.01	T.	1.68	5.33		
Irwin ¹	Monongahela	.42	.09	.04	.01		T.		.20						.25	T.	.22	.01				.30				T.	.55	.43		.62		.02	.47	3.32	4.95
Johstown ¹	Conemaugh	.33	.06	.05	.03			.33	.02	.50					.48	.15	.02			.31	.46				T.	.12	.44	.31	.41		.01	.19	.43	4.66	
Kane Airway Sta.	Allegheny	.67	.03	.24			T.	T.	.26					T.	.17		.04	.29	.27	.06	.03	.73	.03	.06	.27	.19	.42	.56	.06	T.		.21	4.59		
Kegonsa ²	Youghiogheny		.24	.02	.06			.06		.22	T.				.12		.30	.03	.04			1.12				.80	.29	1.12	.78						

Daily Temperatures for May, 1940

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Altoona.....	Maximum.....	68	58	47	49	66	82	79	77	71	69	64	62	81	85	88	70	57	67	83	79	81	78	75	66	59	71	72	71	74	68	69	70.2	
Altoona.....	Minimum.....	46	35	35	33	38	42	51	14	11	31	36	40	45	59	51	48	42	46	42	56	49	54	56	54	51	55	58	48	45	50	45	45.6	
Bedford.....	Maximum.....	72	62	52	49	69	85	83	80	76	71	70	62	81	88	87	69	60	73	84	79	84	82	77	73	61	71	74	78	72	71	73.1		
Bedford.....	Minimum.....	45	37	41	38	40	40	40	46	33	40	36	47	43	46	49	50	46	48	44	58	50	56	57	56	54	57	54	48	45	52	48	46.6	
Bethlehem.....	Maximum.....	74	72	61	57	72	77	83	83	73	72	71	63	78	87	88	85	66	66	76	76	72	74	69	65	64	67	64	72	64	70	71.6		
Bethlehem.....	Minimum.....	56	50	47	43	46	46	62	56	41	43	42	38	52	59	57	56	49	45	45	59	56	62	56	51	54	54	53	58	53	48	48	51.2	
Bloomsburg.....	Maximum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
Bloomsburg.....	Minimum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
Brookville.....	Maximum.....	65	49	41	49	67	81	74	73	66	42	40	52	82	87	83	54	50	68	88	77	83	80	62	62	74	70	52	56	59	67	65.3		
Brookville.....	Minimum.....	36	36	33	33	35	33	38	37	42	25	25	35	37	46	43	41	40	41	35	45	40	38	48	55	48	48	48	41	26	36	41	39.1	
Butler.....	Maximum.....	65	61	47	45	60	84	79	82	80	69	82	70	80	86	86	77	52	65	89	85	87	87	86	81	64	78	75	71	80	76	71	74.2	
Butler.....	Minimum.....	49	41	34	36	28	40	41	46	47	32	35	28	40	59	49	49	42	46	45	45	50	50	49	60	50	47	50	46	41	50	47	44.4	
Carlisle.....	Maximum.....	75	70	55	60	73	78	87	83	75	73	62	35	49	60	55	63	45	40	45	65	55	58	58	55	55	56	62	55	50	50	48	50.5	
Carlisle.....	Minimum.....	54	44	43	43	45	40	40	52	47	36	42	35	49	60	55	63	45	40	45	65	55	58	58	55	55	56	62	55	50	50	48	50.5	
Chambersburg.....	Maximum.....	72	61	51	52	72	82	85	78	70	68	71	68	85	90	86	69	71	74	83	82	78	74	67	62	65	75	74	78	68	71	72	72.9	
Chambersburg.....	Minimum.....	52	46	43	42	44	42	63	53	49	37	43	32	49	60	57	54	50	52	50	63	57	58	60	57	56	57	56	54	49	49	47	51.0	
Chambersville.....	Maximum.....	73	54	49	48	68	87	85	85	80	67	67	64	66	74	84	80	55	51	69	88	84	85	82	74	65	75	74	71	77	73	70	71.7	
Chambersville.....	Minimum.....	45	40	37	34	35	40	48	45	46	29	33	27	49	57	54	50	43	46	41	52	47	52	60	59	51	56	51	47	44	48	47	45.7	
Claysville.....	Maximum.....	70	64	43	50	68	83	81	85	82	67	64	66	74	84	80	55	51	69	88	84	85	82	74	65	75	74	71	77	73	70	71.7		
Claysville.....	Minimum.....	52	39	34	35	26	43	43	47	46	30	32	29	54	59	52	47	40	44	50	46	50	53	53	58	49	45	45	44	49	49	46	44.8	
Clearfield.....	Maximum.....	71	54	46	52	70	82	80	76	65	70	69	56	78	84	83	60	55	63	60	62	61	63	53	44	51	53	53	52	55	48	45	48	43.7
Clearfield.....	Minimum.....	42	39	35	36	39	35	46	43	43	26	32	26	43	54	48	49	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
Coatesville.....	Maximum.....	73	64	57	59	68	77	81	76	66	72	70	63	80	88	87	67	62	72	82	83	74	73	63	56	61	57	68	75	76	67	73	71.0	
Coatesville.....	Minimum.....	50	46	44	41	42	41	59	50	46	41	36	38	46	58	54	54	46	45	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
Corry.....	Maximum.....	68	54	44	50	70	80	79	65	60	65	57	57	60	82	85	85	55	48	63	84	85	85	83	79	74	63	78	73	74	72	64	69.7	
Corry.....	Minimum.....	49	35	31	30	26	42	38	44	34	27	38	27	45	48	49	39	38	41	37	46	47	51	48	50	49	47	49	44	39	53	47	41.5	
Coudersport.....	Maximum.....	70	63	46	45	71	78	80	76	64	68	58	56	81	84	83	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
Coudersport.....	Minimum.....	38	38	33	35	30	34	44	40	32	30	31	22	42	47	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	
Donora*.....	Maximum.....	71	51	48	50	72	86	81	87	67	69	61	69	78	87	83	56	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
Donora*.....	Minimum.....	48	43	41	48	35	49	52	53	49	38	41	37	60	61	54	47	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
Ebensburg.....	Maximum.....	68	57	44	42	59	77	75	75	74	60	57	54	76	76	76	52	51	61	73	72	73	73	72	67	55	62	67	55	65	65	65	65	
Ebensburg.....	Minimum.....	44	35	33	33	37	42	48	41	41	27	30	29	55	55	47	42	39	43	39	50	45	52	53	52	48	53	50	45	40	45	44	41.3	
Emporium.....	Maximum.....	74	63	50	45	70	82	84	70	62	67	66	68	82	86	86	68	63	56	64	64	64	64	64	64	64	64	64	64	64	64	64	64	
Emporium.....	Minimum.....	41	39	37	39	35	40	44	45	44	26	26	32	50	50	46	49	51	44	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
Ephrata.....	Maximum.....	74	69	59	59	75	80	85	82	74	75	72	69	85	93	89	80	66	75	87	81	81	81	81	81	81	81	81	81	81	81	81	81	
Ephrata.....	Minimum.....	56	49	47	43	43	41	58	52	49	38	40	38	51	56	59	56	47	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
Erie*.....	Maximum.....	71	46	43	45	59	80	58	52	59	56	52	62	73	76	82	54	53	58	88	74	74	84	62	68	63	74	67	67	69	68	64	64.2	
Erie*.....	Minimum.....	45	38	36	40	37	53	46	40	40	43	43	41	54	56	50	44	43	46	49	58	55	60	51	47	52	52	55	54	53	49	47	47.8	
Franklin.....	Maximum.....	64	46	43	46	68	82	72	70	63	66	55	65	82	84	80	53	50	64	86	76	84	82	77	66	62	70	69	70	75	64	68	68.0	
Franklin.....	Minimum.....	47	41	36	37	30	34	44	44	42	31	34	31	38	50	52	50	42	43	44	49	50	52	55	57	53	50	52	55	47	44	47	50	
Freeland.....	Maximum.....	70	58	56	64	68	71	77	73	62	65	62	75	76	80	82	75	66	69	71	70	76	74	67	68	58	61	67	69	66	69	67	67.8	
Freeland.....	Minimum.....	42	44	40	36	38	44	51	47	39	36	46	32	46	56	56	50	42	40	43	36	55	58	57	49	52	51	52	51	48	40	43	46.6	
George School.....	Maximum.....	76	71	69	65	72	78	84	78	74	70	70	68	78	87	87	82	64	69	76	81	76	69	67	64	62	67	65	73	72	65	73	72.3	
George School.....	Minimum.....	50	51	45	45	43	41	58	51	49	41	37	37	42	55	55	57	50	43	45	58	55	61	47	52	53	51	52	57	51	45	51	49.3	
Gettysburg.....	Maximum.....	75	69	69	59	72	82	86	82	75	71	71	69	87	92	88	84	67	76	83	82	81	78	74	70	62	62	75	79	71	73	75	75.4	
Gettysburg.....	Minimum.....	54	44	42	42	42	64	54	50	40	42	38	48	63	54	54	46	50	49	60	57	62	60	54	55	55	55	54	49	48	50	50.9		
Gordon.....	Maximum.....	70	66	50	55	69	76	81	77	64	67	65	63	81	87	85	80	61	64	78	77	76	78	70	62	62	65	69	72	76	67	68	70.1	
Gordon.....	Minimum.....	46	42	37	39	42	34	51	42	43	28	33	31	46	46	58	52	40	37	37	60	53	64	58	52	55	55	54	54	44	42	58	46.2	
Greensburg.....	Maximum.....	72	54	44	48	68	85	78	83	79	68	64	65	77	86	81	57	53	70	92	77	85	86	85	72	65	77	72						

Daily Temperatures for May, 1940—(continued)

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Port Clinton.....	Maximum....	70	72	63	57	69	74	83	83	75	75	70	71	81	88	90	87	62	66	78	79	74	75	76	66	63	61	63	74	73	68	68	72.7	
	Minimum....	45	41	43	42	40	38	54	47	40	33	34	30	47	50	60	54	45	37	39	56	55	56	60	53	52	55	54	56	45	42	45	46.9	
Quakertown.....	Maximum....	72	70	67	65	69	73	80	80	76	68	71	62	76	85	87	81	61	66	74	77	68	72	67	64	62	57	63	70	70	61	71	70.5	
	Minimum....	48	50	43	43	44	37	59	50	45	33	34	35	41	48	55	56	47	39	39	56	52	60	57	51	54	52	51	57	46	41	47	47.4	
Reading*.....	Maximum....	74	64	56	58	72	77	83	77	70	71	70	65	81	89	87	73	62	69	81	77	74	78	66	65	61	58	63	74	75	66	72	71.2	
	Minimum....	55	50	47	45	46	45	61	53	49	43	43	40	52	62	60	54	50	48	46	60	57	64	56	55	55	54	54	59	53	49	52	52.2	
Retreat.....	Maximum....	71	68	56	52	70	75	80	69	65	66	64	63	81	84	86	81	62	65	73	73	73	72	78	63	61	63	63	58	60	65	68.8		
	Minimum....	35	46	45	41	42	38	52	47	42	31	36	31	48	48	52	52	45	45	39	59	55	54	60	56	57	56	56	60	49	44	48	47.1	
Ridgway†.....	Maximum....	74	71	52	43	49	69	80	74	68	65	69	56	61	82	85	93	55	50	63	85	87	83	81	80	61	59	75	71	74	76	66	69.6	
	Minimum....	40	41	34	35	34	33	38	41	42	24	30	22	31	46	46	49	41	42	35	49	43	47	56	59	52	51	53	44	39	43	50	41.6	
Scranton*.....	Maximum....	72	64	54	52	66	75	73	58	64	66	63	60	78	77	87	66	60	60	79	76	80	78	69	71	64	67	67	70	67	71	67	68.4	
	Minimum....	49	49	44	42	47	40	53	46	44	37	39	37	49	51	61	55	49	45	40	61	57	58	56	54	59	57	59	55	51	50	48	49.7	
Selinsgrove.....	Maximum....	73	65	57	56	72	75	84	82	69	69	70	67	82	88	86	83	64	66	79	78	83	79	75	72	64	64	72	73	78	71	70	73.1	
	Minimum....	46	42	41	42	44	39	65	55	54	43	42	40	56	62	62	55	47	44	63	64	68	63	62	60	56	58	59	60	64	56	62	54.0	
Somerset.....	Maximum....	67	50	42	42	62	80	79	79	79	62	59	58	76	78	76	57	51	67	84	73	78	76	73	69	63	73	69	65	71	59	72	67.4	
	Minimum....	41	36	32	32	28	30	46	41	44	27	29	28	47	55	42	46	39	45	38	53	52	47	53	53	47	54	49	40	39	45	45	42.0	
Springs.....	Maximum....	62	50	40	39	62	81	74	81	71	63	54	58	73	80	77	58	48	62	82	72	75	73	74	64	57	68	65	70	57	70	65.3		
	Minimum....	41	32	33	31	30	33	51	42	45	29	29	25	45	52	45	43	38	39	41	54	43	48	54	52	46	53	43	42	40	46	46	41.6	
State College.....	Maximum....	68	61	43	52	68	78	78	69	67	68	62	63	82	85	83	67	55	65	80	79	75	75	60	60	69	73	73	75	67	72	69.6		
	Minimum....	47	39	37	37	40	44	50	47	42	35	40	34	45	57	55	47	43	42	42	58	55	53	57	54	55	56	54	53	48	49	46	47.1	
Stroudsburg†.....	Maximum....																																	
	Minimum....																																	
Towanda.....	Maximum....	75	65	52	49	68	75	74	57	64	66	59	54	75	76	88	79	61	60	82	78	83	80	75	68	68	69	73	69	74	72	64	69.4	
	Minimum....	42	42	41	39	45	34	45	43	43	29	39	29	47	46	54	52	45	46	35	57	54	50	53	56	57	58	57	53	47	48	46	46.2	
Uniontown.....	Maximum....	73	54	48	48	70	87	82	88	82	69	64	67	78	87	83	58	54	71	92	80	85	86	87	69	64	79	73	76	80	65	75	73.4	
	Minimum....	54	43	39	38	31	42	54	51	50	34	37	31	56	60	53	52	45	50	51	56	50	61	63	62	51	56	50	50	52	49	49.1		
Vandergrift*.....	Maximum....	55	48	42	49	61	83	79	82	68	66	60	62	78	87	55	55	51	67	91	78	84	88	78	68	65	69	70	65	78	58	59	67.7	
	Minimum....	33	42	38	37	32	43	47	45	33	36	38	46	51	51	47	45	49	47	54	51	53	56	60	53	52	52	47	53	48	48	46.1		
Warren.....	Maximum....	69	49	45	45	69	81	74	57	62	64	55	58	82	85	83	54	50	61	85	76	85	83	78	65	61	75	70	75	68	64	67.7		
	Minimum....	48	40	35	36	33	41	44	45	37	28	41	27	46	50	53	47	41	45	39	51	49	53	55	55	52	53	53	47	42	57	50	44.9	
Waynesburg.....	Maximum....	70	47	43	48	69	85	82	85	79	67	63	64	74	84	79	66	52	71	89	78	85	86	83	75	64	77	70	72	80	67	72	71.8	
	Minimum....	44	41	37	37	28	43	52	48	49	33	36	31	55	60	53	49	43	48	49	51	47	52	56	61	50	46	48	42	52	50	49	46.5	
Wellsboro.....	Maximum....	72	61	57	48	66	77	73	60	63	64	57	63	80	80	85	65	58	61	78	82	84	82	79	71	62	64	75	70	73	73	62	69.2	
	Minimum....	39	41	38	39	40	36	45	42	41	28	35	26	45	46	48	51	45	36	36	57	52	51	55	56	58	57	56	52	46	51	46	50.5	
West Chester.....	Maximum....	75	68	61	61	71	78	82	78	68	71	71	65	81	87	87	78	61	72	83	83	72	74	64	65	61	59	66	74	75	66	71	71.9	
	Minimum....	53	49	44	42	44	52	54	48	42	39	38	47	56	57	57	47	47	49	69	57	61	58	52	53	52	53	58	51	44	50	50.2		
Wilkes-Barre†.....	Maximum....	72	65	54	54	69	75	77	60	66	68	65	63	79	81	88	66	62	64	80	75	82	80	72	74	67	65	70	72	72	69	70.3		
	Minimum....	47	49	43	42	43	40	51	46	39	33	36	32	49	48	57	53	43	42	39	57	56	57	58	55	59	58	57	51	48	48	47.9		
Williamsport.....	Maximum....	70	67	53	52	71	75	80	75	66	68	62	65	82	85	85	82	63	63	79	78	83	80	78	72	62	63	73	71	78	72	67	71.6	
	Minimum....	45	45	42	41	43	40	53	49	45	36	42	33	48	51	54	53	48	53	40	57	58	58	60	57	58	58	57	57	48	51	49.4		
Williamstown.....	Maximum....	69	68	56	45	74	75	81	80	73	66	67	72	81	86	86	84	63	60	80	77	79	78	73	68	58	59	69	72	78	77	65	71.6	
	Minimum....	54	41	38	37	38	47	58	45	41	40	45	36	46	58	50	48	43	41	46	59	55	59	57	49	51	51	50	52	49	44	43	47.5	
York.....	Maximum....	74	68	59	56	71	83	84	80	77	69	69	66	84	90	88	85	68	74	81	79	78	77	73	67	65	63	70	75	77	70	73	74.0	
	Minimum....	56	44	43	44	41	39	56	49	50	35	39	31	48	57	52	55	44	47	46	60	58	58	63	55	55	55	56	56	48	48	53	49.7	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. † 1:30 a. m. to 1:30 a. m. *, †, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

RIVER CONDITIONS

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	29.92	30.24	7	29.45	24	6.9	33	s.	19	77	65	73	43
Harrisburg.....	29.91	30.19	6	29.58	2	8.9	35	s.	15	76	52	62	49
Philadelphia.....	29.92	30.21	6	29.49	3	12.7	34	s.	1	58	68	64	41
Pittsburgh.....	29.92	30.24	5	29.47	1	10.0	42	n.w.	19	54	66	61	44
Reading.....	29.91	30.19	30	29.55	3	11.4	42	s.	31	71	49	60	53
Scranton.....	29.92	30.19	30	29.55	3	6.5	26	n.w.	11	72	50	59	46

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
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CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER

HARRISBURG, PA.

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JUNE, 1940.

No. 6.

GENERAL SUMMARY.

June was near normal in both temperature and precipitation, only slight deficiencies being recorded. The monthly mean temperature of 67.8 degrees was 0.3 degrees below normal. This June was considerably colder than June 1939, and was also the 4th consecutive month below normal this year. The deficiency in temperature now totals 534 degrees since January 1st, or an average daily deficiency of 2.9 degrees. Southeastern counties, which were the warmest sections of the State, averaged about 70 degrees; the northern Plateau section averaged 64 degrees, with those remaining ranging from 66 degrees to near the 70 degree mark. Temperatures in the middle 90's were reported the first ten days of the month and minimum readings were at or near freezing on the 20th and 21st; Kane Airway Station reporting 31 degrees on the 20th.

The average monthly precipitation of 4.11 inches was only 0.02 inch below normal. Thunderstorms were frequent over most sections, especially the west where many stations reported rainfall on 18 days during the month and total amounts from 5.0 to 7.5 inches. Southwestern counties received the greatest amounts with the lower Susquehanna counties receiving the lesser. During the last week rain fell nearly every day, and thunderstorms were frequent. Some damage occurred from heavy winds in several localities. Hail and heavy showers on the 26th, 28th and 30th at widely scattered localities throughout the State lodged meadows and grain fields, but caused only slight damage otherwise. Frost damage to corn and tender plants on low lands was experienced on the 20th and 22d.

A cloudburst which lasted only 45 minutes caused much damage to property and crops in southwestern Greene county about 5 p. m. on June 9th. Damage was estimated at between ten and twenty thousand dollars. A destructive electrical and wind storm swept over Lancaster county shortly after 3 p. m. on June 28th. Trees were uprooted by the wind, buildings, power and communication lines damaged; heaviest damage occurred in the Blue Ball and East Earl sections. About 0.97 of an inch of rain fell in less than half an hour. Tobacco fields were badly damaged. Another freak wind and rain storm hit Lancaster and vicinity in the late afternoon of June 29th, unroofing two dwellings, uprooting many trees and causing much other material damage. A rain, wind and electrical storm over the Philadelphia area during the evening of June 30th caused much property damage and many motor accidents. Two persons were electrocuted in Johnstown during a storm on the 29th.

M. I. P.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 90 stations, was 67.8°, which is 0.3° below the 53-year normal for June. The highest monthly mean was 75.1° at Marcus Hook, and the lowest was 58.0° at Mt. Pocono. Extremes ranged from a maximum of 95° at Marcus Hook on the 3d, Ephrata and Lancaster on the 4th, and Lewiston on the 9th, to a minimum of 31° at Kane Forest Station on the 20th. The greatest daily range in temperature was 46° at Coudersport on the 7th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 168 stations, was 4.11 inches, which amount is 0.02 of an inch below the 53-year normal for June. The greatest monthly amount was 9.25 inches at Confluence, and the least, 1.40 inches at Reading. The greatest amount for any 24 consecutive hours was 2.20 inches at Confluence on the 11th.

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	of inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	68.4	100	30	3.04	.....	9	12	11	7
1889.....	66.7	95	33	5.43	.....	15	5	12	13
1890.....	70.1	97	33	3.42	.....	9	12	11	7
1891.....	68.2	100	30	4.50	.....	11	14	8	8
1892.....	71.8	99	40	5.64	.....	13	9	11	10
1893.....	69.8	100	38	3.12	.....	9	10	11	9
1894.....	69.6	102	30	2.57	.....	10	13	12	5
1895.....	71.4	104	32	3.50	.....	9	13	10	7
1896.....	67.4	93	32	4.64	.....	11	10	11	9
1897.....	64.8	96	28	3.38	.....	11	11	11	8
1898.....	69.6	100	33	2.79	.....	9	14	11	5
1899.....	69.9	101	32	3.51	.....	9	13	11	6
1900.....	69.9	97	35	3.60	.....	10	11	12	7
1901.....	69.1	103	32	3.47	.....	10	12	11	7
1902.....	66.0	97	32	5.97	.....	13	11	12	7
1903.....	63.5	90	34	6.53	.....	15	7	10	13
1904.....	67.9	96	32	4.06	.....	13	12	10	8
1905.....	68.0	99	30	4.39	.....	13	11	10	9
1906.....	69.3	97	28	5.43	.....	13	11	12	7
1907.....	63.6	98	30	4.99	.....	12	11	9	10
1908.....	68.8	102	28	2.36	.....	7	19	9	2
1909.....	68.8	96	34	4.48	.....	13	12	9	9
1910.....	65.4	95	32	4.31	.....	11	12	8	10
1911.....	68.3	99	38	4.71	.....	12	12	10	8
1912.....	65.6	96	29	3.36	.....	8	13	9	8
1913.....	68.2	99	20	2.26	.....	7	19	7	4
1914.....	68.6	101	25	3.71	.....	9	16	8	6
1915.....	65.6	92	31	4.00	.....	11	14	10	6
1916.....	63.7	89	28	6.14	.....	15	11	10	9
1917.....	66.8	92	32	5.38	.....	14	12	11	7
1918.....	66.0	98	29	3.46	.....	10	13	11	6
1919.....	71.2	102	32	3.90	.....	10	16	9	5
1920.....	67.0	99	32	4.97	.....	13	12	11	7
1921.....	70.6	101	26	3.12	.....	8	17	9	4
1922.....	69.5	96	30	5.11	.....	13	11	11	8
1923.....	70.9	103	32	2.73	.....	9	16	9	5
1924.....	65.8	98	26	5.57	.....	15	11	11	8
1925.....	71.9	104	29	3.04	.....	9	16	11	3
1926.....	64.1	94	23	3.63	.....	12	13	10	7
1927.....	63.8	99	25	3.72	.....	9	15	8	7
1928.....	65.5	93	30	7.96	.....	17	9	9	12
1929.....	67.8	98	28	3.56	.....	10	15	10	5
1930.....	69.1	100	22	4.20	.....	9	17	8	5
1931.....	68.5	102	28	3.71	.....	9	16	8	6
1932.....	68.5	98	26	3.15	.....	11	13	9	8
1933.....	70.9	107	25	2.58	.....	9	18	8	4
1934.....	72.9	104	35	3.64	.....	9	17	9	4
1935.....	67.4	96	33	4.22	.....	12	13	9	8
1936.....	68.5	100	33	3.80	.....	10	14	9	7
1937.....	69.5	99	38	4.37	.....	12	13	9	8
1938.....	67.1	99	32	5.14	.....	11	12	10	8
1939.....	69.9	101	35	4.46	.....	13	12	9	9
1940.....	67.8	95	31	4.11	.....	13	10	11	9
Period.....	68.1	107	20	4.13	.....	11	13	10	7

Climatological Data for June, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days			Prevailing direction of wind	Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear			Pt. cloudy	Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	254	28	68.0	-1.7	91	4	43	22	34	2.73	-1.21	0.95	0	12	19	11	0	sw.	John A. Frick.
	Altoona.....	Blair.....	1,615	53	66.8	+0.2	89	4	38	21	32	6.90	+3.05	2.20	0	15	14	11	5	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	350	20	65.0	-5.0	91	4	46	21	29	2.24	-1.69	0.60	0	10	5	14	11		H. L. Balderston.
	Arendtsville.....	Adams.....	700	18	69.2	-1.3	91	4	41	21	32	2.87	-2.22	1.10	0	16	11	11	8	w.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,060	8	69.0		90	4	39	21	38	6.76		2.54	0	18	8	8	14	sw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	54	70.0	-0.6	91	4	45	22	30	2.29	-1.57	1.03	0	12	19	2	9	w.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	14	69.2		88	4	39	22	32	4.72		1.26	0	12	17	11	2		Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	71	70.4	-0.7	92	4	43	22	33	1.57	-2.29	0.49	0	10	17	6	7	sw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	43	70.3	+0.2	90	6	44	22	29	4.13	-0.09	1.19	0	16	7	18	5	sw.	William B. Spear.
	Clearfield.....	Clearfield.....	1,120	39	65.3	-2.0	87	6	35	21	40	4.54	-0.07	1.25	0	16	6	13	11	w.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	380	53	68.6	-1.6	91	4	42	22	33	3.03	-1.17	1.16	0	7	12	4	14	nw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	560	28	66.4	-1.6	86	13	39	21	31	2.36	-1.73	0.76	0	10	12	8	10	w.	Wm. A. Rorer.
	Emporium.....	Cameron.....	1,050	55	65.2	-0.7	89	7	34	29	41	3.95	-0.39	0.61	0	11	10	0	20	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	380	43	71.6	+2.0	95	4	44	22	41	1.85	-2.41	0.66	0	9	13	7	10	n.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,970	47	64.4	-0.7	87	7	39	21	34	4.58	-0.38	1.65	0	14	4	4	22	w.	Andrew B. Evansha.
	George School.....	Bucks.....	190	34	69.2	-0.2	91	4	43	21	32	2.71	-0.96	1.02	0	9	14	12	4	sw.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	67	71.4	+1.2	91	4	52	21	32	1.68	-2.71	0.60	0	12	12	13	5	e.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	840	36	64.9	-1.2	88	4	34	22	43	3.12	-1.31	0.50	0	11	12	8	10	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,875	25																	Steward W. Eilenberger.
	Hanover.....	York.....	600	36	72.0	+0.6	91	6	44	21	31	3.84	-0.17	1.35	0	8	11	9	10	s.	Thomas Y. Cooper.
Harrisburg.....	Dauphin.....	337	71	70.5	+0.2	93	4	46	22	32	2.93	-0.66	1.04	0	11	5	13	12	w.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	22	64.4	-1.6	91	4	33	22	45	3.44	-0.41	0.93	0	13	14	12	4	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	25	71.4	-1.2	90	4	52	22	27	2.74	-0.57	1.00	0	10	11	9	10	nw.	H. W. Lowy, C. E.	
Huntingdon.....	Huntingdon.....	650	53	67.8	-0.7	91	5	39	21	40	4.74	+0.62	1.24	0	14	10	6	13	w.	Prof. Paul R. Yoder.	
Kyertown.....	Clearfield.....	1,694	11	65.1	-0.7	88	7	39	21	32	3.84	+0.34	0.96	0	14	.....	.....	.....	.....	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	255	53	69.7	-0.4	95	4	42	21	39	2.19	-1.87	0.87	0	12	13	10	7	nw.	Supt. of Water Works.	
Lawrenceville.....	Tioga.....	1,000	43	66.0	-0.1	90	4	37	22	45	3.45	-0.47	1.12	0	12	11	15	4	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	469	56	69.1	-0.7	91	4	42	21	32	4.05	-0.30	1.75	0	10	15	7	8	sw.	Lebanon Valley Gas.	
Lewistown.....	Mifflin.....	500	2	70.0	.....	95	9	42	21	45	3.39	.....	0.73	0	11	6	6	18	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	580	50	68.4	-1.4	91	4	38	21	38	3.49	-0.77	0.59	0	14	6	21	3	ne.	Joseph Beaver.	
Marcus Hook.....	Delaware.....	50	14	75.1	-0.1	94	3	50	20	32	3.19	-0.56	1.02	0	8	20	3	7	.....	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,620	35	63.5	-0.1	85	4	40	22	36	3.59	-0.53	1.41	0	11	2	20	8	sw.	Phillip F. Chamberlain.	
Mt. Pocono.....	Monroe.....	1,720	34	58.0	-3.5	83	5	35	21	38	4.66	-0.10	1.10	0	15	11	12	7	nw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	1,045	28	64.0	-1.3	87	4	34	20	40	3.94	-0.42	1.11	0	13	13	11	6	w.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	60	51	.....	.....	90	4	39	22	38	1.74	.....	0.38	0	9	7	17	6	w.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	2	68.0	.....	90	4	39	22	38	1.74	.....	0.38	0	9	7	17	6	w.	J. Earl Sneider.	
Palmerton.....	Carbon.....	398	22	68.4	+0.4	94	4	41	22	38	4.71	+1.00	1.61	0	11	9	15	6	sw.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	69	71.4	0.0	91	4	51	21	24	2.52	-0.72	1.01	0	10	5	15	10	sw.	U. S. Weather Bureau.	
Phila. Navy Yard.....	Philadelphia.....	20	24	72.6	+0.6	92	13	52	21	25	2.75	-1.25	0.72	0	8	11	10	9	sw.	Navy Aerological Office.	
Phoenixville.....	Chester.....	100	30	70.4	+1.2	92	4	40	22	35	1.90	-1.47	0.81	0	7	14	14	2	w.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	407	2	67.0	-2.2	89	4	39	21	40	2.88	-1.58	0.90	0	9	17	5	8	n.	E. E. Barick.	
Quakertown.....	Bucks.....	496	55	67.2	-1.2	89	4	37	22	36	3.17	-0.74	0.93	0	12	14	10	6	w.	John E. Benner.	
Reading.....	Berks.....	273	70	70.4	0.0	91	13	48	22	28	1.40	-2.15	0.39	0	10	9	11	10	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	46	66.8	-1.0	91	4	41	22	37	3.71	+0.04	1.20	0	11	4	16	10	nw.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	455	50	68.2	-0.9	89	4	41	21	32	3.11	-1.02	0.64	0	13	6	16	8	sw.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	44	71.4	-1.0	91	4	46	21	33	2.04	-1.38	0.90	0	9	10	6	14	nw.	Joseph J. Bryza.	
Shippenburg.....	Cumberland.....	660	7	70.5	.....	89	4	42	22	29	3.65	.....	1.11	0	11	9	12	9	sw.	State Teachers College.	
State College.....	Centre.....	1,217	56	67.6	+0.8	89	7	42	21	33	3.50	-0.62	0.63	0	14	9	13	8	w.	C. A. Kern.	
Stroudsburg.....	Mourne.....	500	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	State Teachers College.	
Towanda.....	Bradford.....	754	46	65.4	-0.4	91	4	40	22	39	3.51	-0.31	0.94	0	14	6	14	10	nw.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,419	70	64.8	+0.3	88	4	36	20	42	3.22	-0.51	0.90	0	14	17	7	6	w.	George W. Hill.	
West Chester.....	Chester.....	455	91	69.6	0.0	91	4	45	21	29	2.57	-1.98	1.26	0	8	15	11	4	w.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	2	66.6	.....	92	4	41	22	39	3.62	-0.36	1.17	0	11	4	12	14	.....	U. S. Airways Station.	
Williamport.....	Lycoming.....	521	54	67.2	-1.8	90	4	40	22	35	3.32	-0.54	1.10	0	16	10	13	7	w.	Mrs. Ralph F. Keller.	
Williamstown.....	Dauphin.....	1,275	25	67.9	-0.4	90	8	40	21	33	2.86	-1.65	0.48	0	13	14	8	8	sw.	Susquehanna Coalfields Co.	
York.....	York.....	400	52	70.0	-0.2	91	4	40	21	37	3.06	-0.69	1.56	0	12	13	13	4	sw.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,173	50	62.9	-0.7	87	12	33	21	42	5.04	+0.70	1.20	0	18	6	6	18		Frank S. Fawcett.
	Butler.....	Butler.....	1,077	27	69.0	+1.0	93	7	38	21	35	5.19	+0.53	1.02	0	15	6	21	3	w.	William C. Faust.
	Chambersville.....	Indiana.....	1,047	39	69.0	+1.2	90	7	35	21	35	5.42	+0.67	0.85	0	18	9	7	14	w.	John E. Lewis.
	Clairstown.....	Allegheny.....	1,020	8	69.1	+0.2	88	7	42	21	29	7.07	+3.49	1.05	0	19	14	8	8	s.	Carnegie-Illinois Steel Corp.
	Claysville.....	Washington.....	1,150																		

Daily Precipitation for June, 1940

Stations	Drainage Basin	Day of month																															Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh	.02	.93								T.		.16	T.					.03	.01	.10	T.				.39	.05	.01	.06		.95	T.		2.73
Altoona	Juniata	.54								2.20	.48			T.	T.	.04		.72	.06	.38	.33			.03	.23	.36	.09		.49	.36	.59		6.90	
Ansonia ²	W. Br. Susq.									.50		.31		.28			.05	.01		.16	T.				.41	.30	.05	.21		.40	.37		3.05	
Ardmore ²	Lower Del.																																	
Arendtsville ²	Lower Susq.	.16	.02			.45	T.		.42	.01	.01	.02	T.				.05		.35	.05	.02				.03	.10	.03			1.16	.05		2.87	
Baker's Summit	Juniata	.12	.02						.88	.21		.29	.09	.64			.13	.03	.10	.61	.35				.10	.06	.27		.35		.34		4.59	
Bald Eagle ¹	Middle Susq.	.29						.11	.81			.06								.53	.37				.07	.32	.10	.20		.86	.05	.46	4.23	
Bedford ²	Juniata	.16						T.	1.29	1.25	.26		.45	.13			T.	.10	.07	.53	.61	.33		.02	T.	.20	.20	.14	.07	.70	.25		6.76	
Bellefonte	W. Br. Susq.																																	
Berwindale ¹	W. Br. Susq.	.20	.03									.14					.08			1.99	1.73			.10	.53	.10	.13		.97	.14	.51		6.65	
Bethlehem	Lehigh		.33						T.	.14		.01				.16				.04	.01				.33	.05	.18		.43	.60	.01		2.29	
Big Knob ²	Susquehanna	.47	.10					.59	.10			T.	.01	.04			.32			.10	1.25	.10			.16	.07	.58		.35	.04			4.27	
Bloomsburg	Susquehanna	.21						.10	T.							.25				.01	1.26				.26	.36	.27	.41		.87	.50	.22	4.72	
Blossville	Lower Susq.	.34						.08	.42	.02		T.				.04				.29	.77				.01	.14		.20	.23	.04	.25		2.89	
Buffalo Mills ²	Potomac	.16	.18					.13	1.29	.04		.85	.07							.24	.45	.06				.14	.06			.96	.06		4.09	
Carlisle	Lower Susq.	.24						T.	T.	.01				T.	T.	.04		T.	.08	.49					T.	T.	.25	.61	.20	.08	.17		1.57	
Carter Campi	W. Br. Susq.	*	*	*	.73			.07				.59							.56	.30						.75	.16	.38		.54		.27		4.35
Centre Hall	Susquehanna		.09						.61	.18		.07				.10				.12	.60			.07	.02		.40	.27	.50		.71	.20	.51	4.45
Chambersburg ²	Potomac	1.19	.03			.05			.32	.19	.02	.03	.07	.08					.69	.20	T.				T.	.11	.06		.02	1.01	.06		4.13	
Clearfield ²	W. Br. Susq.	.20	.06						.40	.08			.55	T.		T.	.10		.05	1.25	.03	.08			.33	.23	.29	.16		.63	.10		4.54	
Coatesville	Lower Del.								1.16											.30						.66	.22		.42	.04	.23		3.03	
Colebrook	Lower Susq.	.76							.26	.03							T.		.21	.25			T.	.03	.15		.11		.31	.25		2.36		
Coushohocken	Schuylkill	.03	.23					T.		.28									.12							.38	.03	.01	.25	.27			1.60	
Covington ²	N. Br. Susq.							.20			.10		.20							.35	.15	.10				.35	.15	.10	.23		.23	.12	1.88	
Doylstown	Lower Del.	T.	.29									.35					.03		.06							.31	.12	.10		.29	.19		1.74	
Driftwood ¹	W. Br. Susq.	.26						.37	.37			.35				.12			.17	.06	.15		.03		.16	.02	.40		.78	.04	.38		3.66	
Du Bois	W. Br. Susq.	.19						T.	.70	.11		T.	.11			.14			.60	.97	.05				.35	T.	.43	.01	.65	.31	.23		4.85	
Euporium	W. Br. Susq.	.42						.42				.48							.35		.15					.61	.36	.25	.43	.18	.30		3.95	
English Center ¹	W. Br. Susq.	.35						1.42			.20	.02				.04			.13	.20						.50		.34		1.04	.19	.20	4.54	
Ephrata	Lower Susq.	.20	T.						.01										.09	.12				T.		.16	.15	.31		.66	T.	.15	1.85	
Fredericksburg ²	Schuylkill		.45						.36	T.	T.	T.				T.			.05	.03	T.				.21	.41	T.	.04		.61	.18		2.34	
Freeland ²	Lehigh	.05	.68						.10	.10	.05						.15			.30	.38	.05	.33			.30	.38	.05	.33		1.65	.08	4.58	
Galeton	N. Br. Susq.	.40						.07			.42	.12				.03			.06	.16					.41	.28	.33	.18	.32	.20	.14		3.19	
George School	Lower Del.	.01	.03						.30									.11							.10	.12	.12		.48	.54			2.71	
Gottysburg	Potomac	.12				.13			.33	T.		.01	.01			T.		T.	.23	.05	T.			T.	.01	.10	.06		.60		.03		1.68	
Girardville ²	Lower Susq.	.02	.98							.08				.10						.05	T.					.39	.11		.22		.76	.06	2.89	
Gordon	Lower Susq.	.50								.08			.04					.02	.21							.36	.37	.42		.50	.36	.32		3.12
Gouldsboro ²	Lehigh	.81	.01						.30	.01						.21		T.	.01	.20	.07				.35	.90	.02	.15	T.	.67	.05	.18		3.94
Graterford	Schuylkill	.46	.12							.18	T.								.06	.02						.17		.36		.71	.12		2.20	
Hanover	Lower Susq.	.79							1.35									T.		.22	.02			T.	.03	T.	.05	.04	1.34				3.84	
Harrisburg ¹	Lower Susq.	1.04	T.					T.	T.	.27	.01	T.	T.			.02		T.	.39	.30				T.	T.	.12	.03	.09	T.	.45	T.	.21		2.93
Hawley ²	Upper Del.	.04	.28							.29	.01	T.						.02	.39			.17				.93	.71	.11	.06		.32	.11		3.44
Holl sterville ²	Upper Del.		.43							.01	.21	T.						T.	.19			.43				.93	.57	.07	.33		.58	.12		3.87
Holtwood ²	Lower Susq.	T.	.05			.05			.01	T.	1.00								.03	T.	.43					.03	.97	.04		.54				2.74
Huntingdon	Juniata	.38							1.24	.63									.44	.11					.01	.22	.02	.23		.30	.20	.40		2.02
Huntsdale ¹	Lower Susq.	.03						.10	.01										.20	.12						.07	.25	.05		.75	.30	.44		2.02
Hyndman ²	Potomac	.13							.38	T.			.16						.20	.12						.07	.25	.05		.75	.30	.44		2.02
Kylertown ^{**1}	W. Br. Susq.	.18	T.			.05		T.	T.	T.	.10	.58	.16			T.	.13		.89	.09	.04			.11	.26	.14	.39		.82	.06	.58		2.99	
Lakeville ²	Upper Del.	.02	.85						T.	1.36	.03					.02		.60		.21	.64					1.03	.66	.14	.04		.40	.43		3.84
Lancaster	Lower Susq.	.04	.30			.05			T.	.10									.21	.26						.10	.10	.05	.05	.87	.06			6.22
Lansford ²	Lehigh	.05	.96							.10		.25						.42		.07	.14					.39	.30	.07	.25		.68	.07		3.50
Lawrenceville	N. Br. Susq.	.38						.10	T.							.05			T.						.08	1.32	.23							

Daily Precipitation for June, 1940—Continued from page 33

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Shade Gap ¹	Middle Susq.	.03							1.15	.15	.07		.04	.10			.09			.40	.15					.04	.79	.05	*	*	*	.65		3.71
Shawmont	Schuylkill	.01	.03									.90							.35							.09	.42	.06		.08	.10			2.04
Shippensburg	Lower Susq.	1.11							.26	.07	T.				.07			T.	.08	.74	.27				T.	.01	.30	.72			.02			3.65
State College	W. Br. Susq.	.18							.14	.13	.02	T.	.04				.03	T.		.63	.34	T.			T.	.39	.09	.26		.35	.48	.42		3.50
Stroudsburg ²	Upper Del.																																	
Sunbury ²	Lower Susq.	.09	.35						.02	.03	.40	T.					.20			.15	T.	.01		T.	.26	.45	.19	.57		.58	.03			4.33
Susquehanna ²	N. Br. Susq.	.02	T.							.01	.10						.11						T.	1.23	.39	.03	.15		.68	.03			2.75	
Towanda	N. Br. Susq.	.50	.01					.01	T.	.33			.19	.04		.09	.11		.01	T.	T.			T.	.94	.09	.43		.27	.07	.53			3.51
Weikert	Lower Susq.	.47							.10	.13										.63				T.	.63	.73	.55	.38		.70	.42			4.74
Wellsboro ²	N. Br. Susq.	.02	.06						.22		.90		.20			.03	.06			.23					.47	.15	.03	.23		.55	.07			3.22
Wernersville ² [nr]	Schuylkill																																	
West Chester	Lower Del.	.02				T.			T.		1.26					T.			.22						.05	.64	.05		.18	.25				2.57
Westgrove ²	Lower Del.	.02	.34				.03			.14						.05		T.		.05	.02				.14	.67				.14	.25			2.60
Wilkes-Barre ² *	N. Br. Susq.	.67	T.					T.	.49	T.	T.					.01			T.	.22				.10	.44	.03	.04		1.17	.25	.20			3.62
Wilkes-Barre ² 1	N. Br. Susq.		.86						.31			T.							.02	T.					.39	.37	T.	.08		1.24	.06			3.33
Williamsport ²	W. Br. Susq.	.10	.30						.02	.02	.15	.01	.02				.06			.24	.02				.42	.25	.22	.32		1.10	.07			3.32
Williamstown	Lower Susq.	.30	.10						.02	.06						.03	.16		.17	.37	T.			T.	.20	.10	.15		.27	.48	.37			2.86
York	Lower Susq.	1.56	.01			.01			.07		.01								.21	.14				T.	.03	.09	.03		.88		.60			3.06
York Haven ²	Lower Susq.	.04	.29							.19									.06	.04	.21				.10				.08		.60			1.56
Zionsville (near)	Schuylkill		.29							.25	T.	T.	T.				.14		.13						.35	.45	T.	T.			.81	.11		2.53
Trenton, N. J. ¹	Lower Del.	.05								.14	T.	T.				T.			.09	T.				T.	.66	.25	.08		.53	.06	.04			1.90
Ohio Drainage																																		
Acmetonia ²	Allegheny	.01	.42							.15	.15	.09	.70	.05			.51		T.	.29	.02				.01	.31	.05	.46	.18		1.60	.22		5.42
Beaver Falls ²	Beaver	.02	.85							.14	.10	.07	.04			.01	.42		T.	.06					.03	.28	.06	.01	.12		.62	.14		2.94
Blairsville ²	Allegheny	.12	.15						.04	.02	.06	.02	.29	.02		.06	.90		.23	.33	.52			.03	.26	.14	.28	.04	.05	1.19	.39			5.14
Bradford	Allegheny	.20						.44		.02		.67	.07	.01				.64	.38	.04				.07	.95	.02	.07		.70	.22	.14			4.64
Brookville ²	Allegheny	.13	.41				.02			.18		.02	.15	.02		.03	.15		1.20				T.	.03	.49	.06	.90	.35	.04	.58	.28			5.04
Buckstown ¹	Allegheny	.08						.21	.92	.88		.22	.14			.21		.10	.31	.09					.14	.30	.19		.94	.30	.22			5.25
Butler ²	Ohio	.56						.37	.22		1.02				T.	.24			.18	.39	.02		.05		.46	.05	.12		.43	.68	.40			5.19
Chambersville	Allegheny	.45	.02					.27	.17	.03	.85	.14				.13	.27		.18	.32	.01			T.	.64		.38	.03	.80	.55	.18			5.42
Clairton ³	Monongahela	.10	.02				.74		.38	.03	.92	.02	.14			.92		.06	.70	.02			T.	.16	.22	.36	.50		1.05	.37	.36			7.07
Clarion ²	Allegheny	.03	.32						.26		.09	.39					.62		1.41		.03				.39	.45	.92	.25		.51	.44			6.11
Claysville	Ohio	.22	.22				.09	.14	.20	.41		.56	1.50	.02		.02	.93	T.	.36	.99			.02		.37	T.	.56		.48	.25	.15			7.49
Confluence ²	Youghiogheny	.08	.10	T.	T.			.37	.01	.48	1.34	T.	2.20	.61	T.	T.	.48	T.	.35	.38	.93	T.	T.		.20	.63	.25	.05	.06	.47	.26			9.25
Connellsville ²	Monongahela	.15	.21					T.	.26	.02	.05	.11	.52	T.		1.14		.56	.69	.31			T.	T.	.09	.21	.37	T.	.47	.72	.46			6.34
Corapolis ²	Ohio	.02	.14						.03	.10	.19	.96	.41	.02		.01	.90		.02	.25				T.	.34	T.	.27	.01		1.63	.14			5.44
Corry	Allegheny	.35									.48								T.		.15			T.		.40	.35		.90		.20			2.83
Coudersport	Allegheny	.25							T.		2.43	.02	.03			.05			.19	.50				.05	.61		.20		.38	.19	.10			5.06
Derry	Conemaugh	.84	T.						T.	.29	.02	.33	.03			.60	.16		.24	.40				T.	.65	T.	.17		.69	.35	.12			4.89
Donora ²	Monongahela	.04	.10						.23	.20	.04	.80	.46	.01			.81	.05	.40	.21				T.	.14	.08	.53	.03	.62		.08			4.83
Dunlop	Allegheny	.18							.35	.69		.45	.09				.54		.08	.20	.37				.12	.10	.16	.34		.86	.27	.25		5.05
Ebensburg	Conemaugh	.70	.05						.35	.50		.15	T.			.75		.03	.71	1.10					.35	.09		.69	.50	.42			6.39	
Franklin ²	Allegheny	.05	.13				.42		.45	.63		.05	.36	T.			.41		T.	.74		.10				.26	.04	.29	.12		.53	.18		4.76
Greensboro ²	Monongahela	.04	.28					.30	.10	.69	.08	.31	.44	.68		.05	.35	T.	.03	.27	.23				.01	.10	.48	.20	.08	T.	.62	.44		5.78
Greensburg	Youghiogheny	.50	.08			T.	T.		.06	.36		.49	.04			.41	.60	.01	.85	.38			T.	T.	.58	.32	.48	T.	.63	.23	T.			6.02
Greenville	Beaver	.78					.18	.68	.03	.42		1.00	.04			.18			.69		.02			.05	.67	.50	.68		.80	.20	.32			7.24
Grove City	Beaver	.15	.15				.17	T.		.37	T.	.93		.02		.10	.49		.11	.48	.02			.02	.38	.92	.58		.31	.45	.14			5.79
Irwin	Monongahela	.33	.02				.18		.15	.09		.05	.35	.05	T.	.07	.72	T.	.68	.03			T.	T.	.28	T.	.62	1.05	.19	.03	.04			4.93
Johnstown	Conemaugh	.66					T.	.83	.41	.01	.41	.04				.38	.12	.11	.13	.27				T.	.43	.43		.33	.01	.77	.76	.24		5.91
Kane Airway Sta.	Allegheny	.17					1.55	.19	T.	.04	1.25	T.				T.		.44	.14	.27			T.	.13	.76	.16	.43		.88	.14	.62			7.17
Kregar ²	Youghiogheny	.09	.28					.03	.08		.36	.22	.48	.04	T.	1.14	.06	.35	.21	.14				T.	.12	.08	.18	.45		1.28	.50			6.09
Lake Lynn ²	Monongahela																																	

Daily Temperatures for June, 1940

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Altoona.....	Maximum....	69	74	81	85	86	83	81	86	81	77	84	84	80	78	79	71	78	81	70	66	68	69	81	71	71	74	80	78	73	77	79		
	Minimum....	54	53	55	58	60	67	58	60	59	61	62	59	63	59	58	56	54	66	43	38	41	47	60	59	54	45	48	59	51	55	8		
Bedford.....	Maximum....	71	72	85	90	88	88	89	85	83	81	83	87	86	84	82	80	75	80	81	78	67	68	75	85	80	71	78	81	81	71	80	2	
	Minimum....	56	52	50	52	60	61	71	63	62	62	65	65	63	59	69	61	59	65	67	50	39	41	45	63	55	50	47	65	57	56	57	9	
Bethlehem.....	Maximum....	74	77	84	91	91	87	86	86	87	75	76	88	91	91	86	81	77	87	80	69	73	71	67	71	73	80	80	80	76	76	80	7	
	Minimum....	55	55	58	67	66	70	56	58	60	56	66	66	71	64	69	66	58	57	66	62	47	45	60	56	55	60	54	53	68	57	57	4	
Bloomsburg.....	Maximum....	70	74	84	88	87	85	85	82	77	78	78	85	87	83	79	82	75	72	82	80	67	71	69	78	75	78	74	73	73	73	78	4	
	Minimum....	52	50	53	66	74	75	68	68	72	67	60	67	66	66	66	53	54	68	68	52	52	39	58	55	56	63	64	47	55	52	60	1	
Brookville.....	Maximum....	64	75	84	82	81	85	86	69	85	85	79	87	84	82	81	79	82	75	72	45	46	64	73	80	74	67	54	77	68	74	74	7	
	Minimum....	45	48	42	49	46	55	51	58	61	57	64	62	62	51	60	59	56	60	64	37	33	36	46	51	57	51	44	42	50	43	61	1	
Butler.....	Maximum....	62	70	88	90	88	87	93	85	91	90	88	87	87	88	86	84	87	81	79	75	70	75	83	82	75	75	74	81	74	74	81	7	
	Minimum....	49	45	55	55	55	68	61	59	60	65	63	63	59	55	71	69	53	68	68	47	38	43	56	55	58	54	46	50	57	50	56	2	
Carlisle.....	Maximum....	74	77	87	92	89	90	88	88	85	88	80	86	90	90	87	81	86	78	71	87	80	71	76	72	88	81	77	83	78	82	80	82	6
	Minimum....	54	54	51	62	62	65	62	57	62	64	64	67	67	61	64	60	58	64	62	50	45	43	55	60	58	56	52	51	62	54	59	5	
Chambersburg.....	Maximum....	74	76	81	88	88	90	87	84	87	88	78	88	90	87	85	84	71	71	78	73	71	73	78	87	80	71	80	81	79	89	89	9	
	Minimum....	55	53	55	59	67	65	60	64	64	66	60	68	67	62	70	66	62	64	66	51	45	44	53	62	63	55	54	57	61	51	59	7	
Chambersville.....	Maximum....	70	75	85	87	88	87	90	88	87	87	84	89	85	85	85	88	82	83	82	78	69	71	76	81	81	72	79	80	80	73	81	1	
	Minimum....	62	56	52	57	58	64	61	64	62	61	67	62	64	56	66	57	59	66	67	43	35	41	49	65	58	53	46	50	50	50	56	6	
Claysville.....	Maximum....	66	75	83	86	85	87	87	86	83	87	86	87	83	85	87	85	80	79	80	77	67	73	82	82	76	68	76	82	80	74	80	5	
	Minimum....	52	53	50	52	60	65	61	62	61	58	63	60	66	57	67	58	62	66	66	47	36	44	52	66	56	51	53	58	49	48	56	7	
Clearfield.....	Maximum....	70	73	85	86	86	87	87	80	87	87	81	78	81	81	79	78	78	77	77	65	65	69	81	79	68	72	78	77	72	77	77	7	
	Minimum....	52	49	48	53	52	61	54	55	61	60	60	61	64	53	53	52	53	61	65	37	35	38	48	59	58	52	43	53	47	52	52	9	
Coatesville.....	Maximum....	77	78	85	91	86	86	86	78	89	68	77	88	90	86	86	81	81	74	88	72	70	75	73	86	78	76	82	82	80	80	81	4	
	Minimum....	53	52	53	60	62	63	55	56	60	58	51	64	66	62	55	55	55	62	51	43	42	51	57	55	57	50	49	60	52	52	56	2	
Corry.....	Maximum....	65	80	88	89	86	87	92	85	88	90	86	87	86	81	81	81	85	82	76	64	68	68	74	75	77	70	75	77	70	70	79	7	
	Minimum....	44	48	43	53	52	54	54	60	61	62	64	65	62	48	66	45	55	65	60	40	37	36	47	49	51	48	45	44	52	45	51	5	
Coudersport.....	Maximum....	65	76	85	88	84	85	89	83	86	75	84	86	84	80	84	80	79	74	77	70	65	66	63	76	76	67	72	75	73	67	77	1	
	Minimum....	46	49	45	50	50	54	43	56	61	57	60	62	62	55	42	45	47	62	64	34	38	33	37	55	54	49	39	37	49	41	49	2	
Donora.....	Maximum....	71	77	85	90	88	90	82	89	88	92	91	92	88	89	85	83	79	83	83	69	71	70	85	83	78	70	80	86	73	77	82	6	
	Minimum....	58	61	61	58	63	67	66	67	65	65	69	68	68	63	69	65	70	69	59	50	45	51	57	49	58	58	59	63	56	55	61	61	1
Ebensburg.....	Maximum....	66	65	78	81	81	79	79	77	82	85	82	71	84	77	76	65	64	88	55	49	59	69	78	74	72	58	75	78	71	73	73	2	
	Minimum....	51	52	48	54	54	61	60	60	61	56	63	59	61	52	62	55	55	62	53	43	37	39	45	62	55	47	42	46	52	48	53	3	
Emporium.....	Maximum....	68	76	86	87	87	84	89	82	87	79	83	86	83	82	84	80	78	80	77	77	66	68	70	77	78	66	76	77	74	71	78	6	
	Minimum....	52	52	50	57	53	58	49	60	61	62	64	62	50	62	51	52	66	66	36	35	38	44	47	57	52	42	36	34	37	37	51	7	
Ephrata.....	Maximum....	76	81	90	93	93	91	94	85	92	89	80	93	90	93	90	86	82	76	88	85	73	77	71	82	81	77	83	82	81	80	84	8	
	Minimum....	57	53	54	60	61	66	63	63	62	61	59	69	68	64	70	67	58	60	65	50	46	44	51	61	59	57	59	51	67	54	58	4	
Erie.....	Maximum....	57	70	83	81	83	69	87	79	77	86	80	75	76	75	72	85	80	73	57	64	63	75	76	73	65	69	78	70	67	74	72	4	
	Minimum....	48	53	58	69	65	58	63	67	63	60	71	68	64	56	62	55	66	69	57	48	50	51	58	62	57	55	57	58	57	57	59	5	
Franklin.....	Maximum....	64	77	84	86	86	84	89	81	86	86	82	84	82	80	82	80	76	76	60	67	67	73	81	73	67	74	78	65	71	77	74	7	
	Minimum....	49	50	49	51	55	57	59	61	64	65	66	65	67	55	57	53	54	62	66	43	40	42	46	57	58	52	48	50	54	49	54	8	
Freeland.....	Maximum....	65	71	81	86	83	81	87	77	83	70	72	83	84	77	76	77	70	80	72	67	67	68	68	59	71	68	72	69	70	77	74	6	
	Minimum....	55	51	57	62	68	64	53	57	60	55	53	64	59	53	64	55	56	56	60	43	39	48	47	52	53	50	46	50	56	49	54	3	
George School.....	Maximum....	77	80	85	91	89	89	86	82	85	80	75	87	90	84	86	82	79	74	88	82	70	73	74	67	74	74	80	81	81	78	80	5	
	Minimum....	57	54	57	63	65	67	56	57	60	57	67	64	69	63	54	65	57	59	65	51	43	44	53	57	56	60	52	53	64	53	57	7	
Gettysburg.....	Maximum....	77	79	86	91	89	90	86	83	85	81	75	87	91	87	84	83	78	71	87	84	71	78	74	87	87	77	83	81	80	79	82	5	
	Minimum....	57	52	56	61	65	67	61	65	68	64	60	67	66	64	69	68	60	63	65	52	44	49	55	63	62	55	53	54	68	54	60	2	
Gordon.....	Maximum....	70	74	84	88	86	82	88	82	86	72	76	83	86	83	79	77	77	72	82	79	67	71	66	70	75	73	75	73	74	72	77	4	
	Minimum....	50	46	46	56	55	57	45	61	60	59	56	65	60	64	65	56	50	61	62	43	39	34	42	56	53	53	42	43	59	45	52	4	
Greensburg.....	Maximum....	71	73	84	88	85	87	91	83	85	90	87	89	85	86	83	78	79	81	80	75	69	69	83	81	76	70	77	83	80	75	81	0	
	Minimum....	51	53	56	58	62	62	64	66	67	63	67	66	66																				

Daily Temperatures for June, 1940—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum.....	70	73	84	89	89	88	87	85	85	86	72	81	88	88	85	81	80	78	85	85	69	72	71	67	76	78	78	78	76	74	....	80.0
	Minimum.....	52	49	49	56	59	56	48	62	63	59	57	66	64	57	69	58	59	59	63	45	39	38	39	56	56	45	47	45	62	49	....	53.9
Quakertown.....	Maximum.....	75	76	83	89	84	82	84	81	86	70	74	85	88	82	86	80	79	75	88	81	75	73	71	67	76	72	78	78	79	76	....	79.1
	Minimum.....	50	50	52	57	60	63	50	56	58	57	56	65	67	59	66	61	51	67	66	46	42	37	45	55	55	58	47	45	64	52	....	55.5
Reading*.....	Maximum.....	76	76	85	91	88	87	87	80	88	69	75	86	91	85	85	83	80	72	87	68	70	74	71	75	77	73	80	80	80	77	....	79.9
	Minimum.....	59	55	58	67	69	66	59	64	63	60	59	70	71	67	73	66	60	68	54	49	48	55	58	58	56	55	62	58	....	60.8		
Retreat.....	Maximum.....	65	66	61	88	86	82	85	82	84	74	76	85	88	82	85	78	84	74	83	74	65	70	69	72	74	72	74	74	72	....	76.6	
	Minimum.....	50	53	41	53	59	61	47	63	63	63	60	67	65	53	61	54	52	64	55	43	41	42	55	57	54	47	45	59	49	....	54.4	
Ridgway†.....	Maximum.....	67	66	76	86	86	86	85	89	82	86	93	82	85	92	81	81	79	81	77	77	61	67	69	71	78	74	65	72	77	....	77.9	
	Minimum.....	46	50	46	48	49	55	51	56	63	58	65	52	67	51	57	49	49	59	65	36	33	65	40	53	56	50	40	41	52	41	....	51.4
Scranton*.....	Maximum.....	72	71	84	91	89	80	89	82	82	70	77	87	89	81	82	76	80	70	83	64	64	69	69	62	71	66	75	76	75	72	....	76.8
	Minimum.....	56	56	53	59	63	63	52	67	66	60	59	69	69	57	63	60	54	65	59	50	47	41	44	55	57	54	51	47	60	52	....	56.9
Selinsgrove.....	Maximum.....	70	74	85	89	87	85	85	81	86	73	76	85	86	82	80	78	72	84	73	73	69	68	82	79	75	76	76	74	74	73	....	78.5
	Minimum.....	60	60	68	64	62	62	53	63	63	63	59	67	65	59	70	62	55	65	64	49	41	41	43	57	59	56	52	46	61	51	....	58.0
Somerset.....	Maximum.....	65	70	80	84	81	83	86	83	80	78	84	84	78	82	80	79	73	74	74	71	63	69	78	77	74	68	73	78	76	....	76.4	
	Minimum.....	49	51	45	46	57	59	53	62	60	55	62	58	60	52	65	60	48	60	64	43	35	67	45	63	54	50	45	50	51	49	....	52.9
Springs.....	Maximum.....	61	68	78	82	78	82	85	84	79	77	80	82	77	81	74	75	68	73	74	60	62	65	77	76	71	63	71	77	72	....	74.0	
	Minimum.....	46	51	44	47	55	58	58	57	56	54	63	57	59	52	64	62	56	63	59	44	38	36	45	61	54	50	44	53	51	48	....	52.7
State College.....	Maximum.....	72	75	85	88	87	87	89	86	82	78	80	87	85	84	83	79	75	77	82	70	67	70	69	80	76	69	72	79	78	71	....	78.7
	Minimum.....	53	53	52	61	62	65	56	63	61	62	59	62	64	57	70	57	56	64	65	45	42	43	48	60	59	53	49	48	59	50	....	56.6
Stroudsburg†.....	Maximum.....																																
	Minimum.....																																
Towanda.....	Maximum.....	72	75	86	91	88	77	85	84	80	74	80	87	86	77	84	76	80	73	84	64	67	71	70	71	76	68	73	74	72	73	....	77.8
	Minimum.....	51	53	48	56	58	61	46	62	65	62	60	65	65	50	50	50	50	65	62	41	44	40	40	54	58	53	45	41	56	50	....	53.4
Uniontown.....	Maximum.....	70	74	84	88	86	89	92	90	85	88	90	88	84	86	81	79	78	78	81	74	65	69	82	82	77	70	77	82	80	75	....	80.8
	Minimum.....	53	57	54	54	62	69	64	65	66	62	66	66	62	70	65	68	70	65	53	43	46	56	69	60	56	55	62	57	52	....	60.4	
Vandergrift*.....	Maximum.....	62	80	85	88	94	82	86	89	85	91	92	84	77	87	82	84	87	86	72	59	65	67	82	84	76	67	72	82	80	....	80.4	
	Minimum.....	54	58	54	56	51	68	59	67	66	64	68	65	66	59	68	65	56	58	45	38	47	55	64	49	55	55	53	57	50	....	57.6	
Warren.....	Maximum.....	60	73	85	86	86	81	91	82	88	87	84	84	85	81	82	80	82	75	75	58	65	64	67	78	74	67	70	77	65	68	....	76.7
	Minimum.....	49	53	50	55	56	58	54	61	64	62	67	65	65	50	67	51	55	65	38	40	39	51	61	55	50	46	45	53	45	....	54.2	
Waynesburg.....	Maximum.....	67	75	83	86	85	88	89	85	84	87	88	87	83	87	80	79	76	79	76	79	68	68	69	84	81	75	72	76	82	81	....	79.9
	Minimum.....	53	56	51	58	60	64	64	64	65	61	64	64	63	60	71	63	66	68	62	61	39	45	54	69	59	54	56	62	56	50	....	59.0
Wellsboro.....	Maximum.....	71	72	86	88	86	81	88	81	81	75	77	84	83	84	83	76	79	73	76	64	65	65	65	79	76	65	73	73	70	....	76.4	
	Minimum.....	53	52	48	55	56	59	46	61	65	63	61	66	65	47	64	50	52	64	36	41	37	41	55	56	54	41	41	54	48	....	53.2	
West Chester.....	Maximum.....	79	77	85	91	86	87	87	79	86	69	76	87	90	85	87	81	79	72	86	79	70	74	72	85	75	76	81	81	81	79	....	80.7
	Minimum.....	56	54	56	62	65	64	60	59	61	59	59	67	68	64	65	65	58	56	55	53	45	45	56	60	57	59	52	54	54	53	....	58.4
Wilkes-Barre†.....	Maximum.....	74	73	87	92	90	80	90	83	83	70	78	87	90	81	83	78	81	70	86	66	68	71	71	66	75	68	77	77	75	74	....	78.1
	Minimum.....	52	55	51	58	60	58	51	66	64	60	60	68	67	54	54	53	65	55	44	44	41	43	56	57	52	47	46	55	51	....	55.0	
Williamsport.....	Maximum.....	73	74	87	90	88	83	85	81	85	72	75	86	87	80	83	80	81	75	83	77	67	70	65	74	77	74	75	74	72	....	78.2	
	Minimum.....	55	52	52	58	60	64	50	63	66	61	60	68	64	53	56	55	66	55	44	43	40	41	56	78	56	47	46	59	52	....	56.2	
Williamstown.....	Maximum.....	65	78	83	87	88	86	86	90	88	85	80	85	87	85	79	82	78	74	81	80	67	68	70	74	73	74	75	75	80	....	79.2	
	Minimum.....	58	52	56	64	67	67	56	62	59	56	54	65	65	57	67	59	59	57	60	47	40	45	51	57	55	51	47	64	59	....	56.6	
York.....	Maximum.....	77	78	87	91	89	87	87	84	86	83	77	86	90	86	84	81	76	73	87	85	69	75	73	87	87	76	82	81	80	79	....	82.1
	Minimum.....	57	51	53	58	64	62	55	64	61	65	60	67	64	60	71	64	56	62	64	48	40	42	52	61	62	54	51	50	66	51	....	57.8

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. † 1:30 a. m. to 1:30 a. m. °, °, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

RIVER CONDITIONS

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	29.90	30.27	21	29.38	24	7.6	23	sw.	25	77	72	70	56
Harrisburg.....	29.93	30.28	17	29.48	24	7.0	29	n.w.	30	74	54	65	52
Philadelphia.....	29.94	30.29	17	29.55	24	11.3	35	n.w.	30	67	78	73	48
Pittsburgh.....	29.93	30.29	21	29.47	24	10.0	34	w.	30	65	76	71	47
Reading.....	29.93	30.28	17	29.50	24	10.3	34	n.w.	29	70	48	60	47
Scranton.....	29.92	30.27	17	29.51	24	6.5	22	n.w.	29	73	49	58	58

* For any five-minute period.

† Corrected to true velocities

Stations	Rivers	Mean stage		Highest stage		Lowest stage		Flood stage	
		Date	Stage	Date	Stage	Date	Stage	Date	Stage
Port Jervis, N. Y.....	Delaware.....	3.2	4.9	2	2.1	23	18		
Easton.....	Delaware.....	3.6	6.9	2	1.8	24	22		
Lehigh.....	Lehigh.....	4.6	8.3	2	2.7	23	9		
Wilkes-Barre.....	Susquehanna.....	2.8	5.0	2	1.6	19	20		
Williamsport.....	Susquehanna.....	4.3	5.5	1	3.7	25	18		
Harrisburg.....	Susquehanna.....	13.6	23.2	1	11.4	28	30		
Greensboro.....	Monongahela.....	2.6	8.7	1	1.2	28	20		
West Newton.....	Youghiogheuy.....	14.6	25.4	1	12.2	28	30		
Lock No. 4.....	Monongahela.....	19.4*	16.4*	12	25				
Pittsburgh.....	Ohio.....	25.8*	13.2*	14	30				
Midland.....	Ohio.....								

* Pool stage.

ERRATA FOR MAY, 1940.

Page 26: Bedford, mean maximum 73.2, monthly mean 59.9; Freeland, mean minimum 46.5; Hawley, days clear 8, partly cloudy 13; Midland, mean maximum 71.6, monthly 59.4; Muncy Valley, precipitation 4.94, departure +0.89; Quakertown, monthly mean temperature 59.0, departure -0.6; Sharon, mean maximum temperature 71.6, monthly mean 59.9, departure +0.6. Page 27

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER
HARRISBURG, PA.

VOL. XLV.

JULY, 1940.

No. 7.

GENERAL SUMMARY.

The temperature in July was about normal, the average for the State showing an excess of only 0.1 degree. This is the first month since February that the monthly average was above normal. Southeastern counties averaged about 75 degrees, the Southwest and Mountain sections in the low 70's and the Plateau counties in the high 60's. The first 19 days were below normal, but from the 19th on temperatures reached extreme heights during the heat wave that prevailed until the end of the month. Eleven stations, mostly in the southeast portion of the State, reported readings of 100 degrees or more. Marcus Hook, Delaware County, reported 6 days with temperatures of 100 degrees or higher. There is still a deficiency in temperature since January 1st and it now totals 531 degrees or an average daily deficiency of 2.5 degrees.

Precipitation was 1.00 inch below normal and occurred mostly during local thunderstorms. The southwestern counties received the greatest amounts, ranging from 2 to over 6 inches. The northern Plateau and Allegheny Mountain sections reported the least amounts. Despite the deficiency this month there remains an excess departure of 1.26 inches since January 1st.

Several severe local storms occurred during the month. The first was reported at Hanover on the 17th, when 4.03 inches of rain fell in a 90-minute period, resulting in washouts and some flooding. On the 17th a freak hailstorm caused damage to hot-houses and automobiles in Allentown. Some stones were reported as large as eggs. However the most destructive storm of the month struck LeRaysville, Bradford County, about 3 P. M., July 27th. Cyclonic winds and large hailstones caused damage to practically every house and structure in that area. "Scarcely a whole pane of glass was left in the north side of any building." Barns, silos and chimneys received the full force of the storm. Trees were uprooted, electric and telephone wires and other debris prevented travel about town, except on foot. Several people were injured and some livestock was killed.

The month as a whole was favorable for agriculture. Sunshine was ample and where moisture was sufficient, crops generally made progress, but handicap of the late spring has not been fully overcome. Corn developed rapidly during the last two weeks with many fields in tassel. Harvesting of winter wheat continued in Central and Northern counties but little threshing was done. Rye is favorable but the winter barley crop is disappointing. Oats is yielding below expectations in southeastern counties while good in other sections. The heat was hard on the potato crop although well-sprayed fields stood up fairly well and the condition as a whole is good. Fruit crops stood the intense heat during the last third of the month fairly well; apples made good progress, and the peach crop is still very promising.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 91 stations, was 72.3°, which is 0.1° above the 53-year normal for July. The highest monthly mean was 79.6° at Marcus Hook, and the lowest was 61.1° at Gouldsboro. Extremes ranged from a maximum of 105° at Marcus Hook on the 26th, to a minimum of 33° at Kane on the 13th. The greatest daily range in temperature was 49° at Emporium on the 8th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 183 stations, was 3.25 inches, which amount is 1.00 inch below the 53-year normal for July. The greatest monthly amount was 7.73 inches at Hanover, and the least, 0.76 inch at Raymond. The greatest amount for any 24 consecutive hours was 4.03 inches at Hanover on the 11th.

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	69.2	97	38	3.45	.....	8	15	10	6
1889.....	71.6	96	39	6.80	.....	13	12	10	9
1890.....	70.7	101	33	3.52	.....	8	13	11	7
1891.....	67.8	97	34	6.32	.....	13	11	10	10
1892.....	73.1	103	38	3.93	.....	10	15	11	5
1893.....	72.1	102	36	3.15	.....	10	15	12	4
1894.....	73.8	103	31	2.32	.....	7	15	11	5
1895.....	69.1	102	34	3.24	.....	9	12	12	7
1896.....	72.8	98	40	6.89	.....	14	10	11	10
1897.....	73.4	103	41	6.26	.....	14	10	11	10
1898.....	74.8	107	33	3.36	.....	9	12	12	7
1899.....	72.3	101	35	3.91	.....	10	12	11	8
1900.....	74.0	104	35	4.86	.....	11	14	12	5
1901.....	76.4	107	45	3.88	.....	11	10	13	8
1902.....	71.8	99	41	6.04	.....	15	10	12	9
1903.....	71.2	98	35	5.36	.....	12	13	12	6
1904.....	70.6	99	34	4.68	.....	13	12	11	8
1905.....	72.6	99	39	4.87	.....	15	10	12	9
1906.....	71.3	95	38	4.31	.....	10	12	13	6
1907.....	71.5	96	34	3.84	.....	10	15	12	4
1908.....	73.9	104	39	4.81	.....	11	14	12	5
1909.....	69.7	98	34	2.14	.....	7	16	11	4
1910.....	72.8	99	41	2.42	.....	7	16	11	4
1911.....	73.7	105	36	2.81	.....	8	16	11	4
1912.....	71.3	100	36	5.29	.....	11	12	11	8
1913.....	71.8	101	40	4.16	.....	11	15	10	6
1914.....	71.3	101	38	4.19	.....	12	12	11	8
1915.....	70.7	98	40	5.28	.....	15	10	13	8
1916.....	74.3	98	37	4.45	.....	10	14	10	7
1917.....	72.1	105	40	4.33	.....	13	12	12	7
1918.....	70.1	99	35	3.05	.....	9	16	10	5
1919.....	72.6	104	34	5.90	.....	11	16	8	7
1920.....	69.5	96	33	4.37	.....	11	15	10	6
1921.....	75.9	104	45	4.13	.....	10	15	11	5
1922.....	71.9	98	38	3.68	.....	9	14	10	7
1923.....	71.0	100	32	4.24	.....	11	15	9	7
1924.....	69.7	97	34	3.42	.....	9	17	10	4
1925.....	70.5	101	32	5.57	.....	12	13	11	7
1926.....	71.8	105	35	3.82	.....	10	15	9	7
1927.....	71.7	100	29	4.97	.....	12	14	11	6
1928.....	72.8	96	40	5.44	.....	13	16	9	6
1929.....	71.8	99	33	2.81	.....	8	18	9	4
1930.....	73.0	106	33	2.23	.....	7	19	8	4
1931.....	75.2	105	39	5.28	.....	12	15	10	6
1932.....	72.0	100	36	3.39	.....	10	16	10	5
1933.....	72.5	104	35	4.26	.....	8	17	9	5
1934.....	75.5	107	40	4.01	.....	9	17	10	4
1935.....	75.0	104	42	5.63	.....	12	15	10	6
1936.....	73.5	111	37	2.88	.....	8	18	9	4
1937.....	72.4	101	37	4.47	.....	12	14	10	7
1938.....	73.2	100	40	4.81	.....	12	13	10	8
1939.....	71.7	100	36	3.12	.....	9	14	11	6
1940.....	72.3	105	33	3.25	.....	10	15	10	6
Period	72.2	111	29	4.25	.....	11	14	11	6

Climatological Data for July, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days			Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation in or more	Clear	Pt. cloudy			Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	254	28	74.2	+0.2	98	26	49	2†	34	6.33	+1.72	2.12	0	12	23	7	1	s.	John A. Frick.
	Altoona.....	Blair.....	1,615	53	71.0	0.0	95	28	44	14	35	3.98	-0.02	2.29	0	9	21	8	2	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	350	20	74.9	+0.5	96	29†	52	14	29	3.11	-1.57	1.17	0	10	11	12	8	.....	H. L. Balderston.
	Arendtsville.....	Adams.....	700	18	74.4	0.0	97	26†	48	21	38	3.89	+0.01	1.47	0	12	17	11	3	w.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,060	8	71.9	.....	97	26	43	21	35	3.17	.....	0.93	0	9	20	2	9	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	364	54	75.9	+0.8	99	26†	51	14	34	3.57	-0.99	0.84	0	14	25	1	5	w.	Lehigh University.
	Bloomsburg.....	Columbia.....	500	14	74.8	.....	95	26	48	1	26	2.06	.....	0.62	0	12	20	9	2	.....	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	467	71	76.0	+0.9	102	26†	46	14	40	1.38	-2.45	0.27	0	11	20	6	5	nw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	580	43	75.6	+0.8	101	26	48	2	36	1.80	-2.20	0.61	0	10	16	12	3	sw.	William B. Spear.
	Clearfield.....	Clearfield.....	1,120	39	68.4	-3.0	89	19†	38	6	42	3.80	-0.76	1.31	0	9	14	7	10	sw.	Otto J. W. Eppers.
Atlantic Drainage.	Clearfield.....	Clearfield.....	380	53	74.4	-0.3	99	26†	48	3	31	1.52	-3.04	0.47	0	8	16	8	7	nw.	Howard L. Pyle.
	Coatesville.....	Chester.....	560	28	71.3	-0.9	93	22	44	2	30	5.30	+1.02	1.97	0	12	18	6	7	s.	Wm. A. Rorer.
	Colebrook.....	Lebanon.....	1,050	55	70.2	-0.6	95	25†	34	8	49	2.65	-1.76	0.90	0	7	18	5	8	w.	E. M. Poorman.
	Emporium.....	Cameron.....	380	43	77.0	+2.1	102	26	49	2	37	4.58	+0.20	1.20	0	13	20	6	5	n.	Ira J. Keath.
	Ephrata.....	Lancaster.....	1,970	47	70.7	+1.4	91	25†	47	1	29	3.50	-1.41	1.20	0	13	.....	.....	.....	w.	Andrew B. Evansha.
	Freeland.....	Luzerne.....	190	34	74.6	+0.4	98	27	50	2	30	2.27	-2.16	0.66	0	13	23	4	4	nw.	Prof. N. W. Swayne.
	George School.....	Bucks.....	553	67	76.6	+2.0	99	26	48	14	33	4.63	+0.27	1.09	0	15	22	4	5	e.	Dr. Henry Stewart.
	Gettysburg.....	Adams.....	840	36	69.8	-0.7	94	26†	39	2	39	3.56	-1.30	1.55	0	10	19	8	4	sw.	Mrs. Sallie M. Johnson.
	Gordon.....	Schuylkill.....	1,875	25	61.1	-3.7	86	29	38	6†	32	3.62	-0.83	0.72	0	15	10	17	4	.....	Steward W. Ellenberger.
	Gouldsboro.....	Wayne.....	600	36	75.8	0.0	98	26	51	2	28	7.73	+3.54	4.03	0	11	18	9	4	s.	Thomas Y. Cooper.
Atlantic Drainage.	Hanover.....	York.....	337	71	76.5	+1.7	100	26	51	14	33	3.17	-0.66	1.73	0	7	12	13	6	w.	U. S. Weather Bureau.
	Harrisburg.....	Dauphin.....	900	22	69.8	-0.5	95	26	40	6	42	4.33	+1.55	1.88	0	12	17	12	2	w.	Mrs. Della M. Pennell.
	Hawley.....	Wayne.....	200	25	77.0	0.0	100	27	52	2	26	2.29	-1.48	0.77	0	8	21	6	4	nw.	H. W. Lowy, C. E.
	Holtwood.....	Lancaster.....	650	53	72.2	-0.2	98	30	42†	6†	45	3.07	-0.99	0.89	0	12	16	13	2	sw.	Prof. Paul R. Yoder.
	Huntingdon.....	Huntingdon.....	1,694	11	69.1	-0.8	91	26	42	2	33	3.34	-0.27	0.97	0	9	.....	.....	.....	.....	U. S. Weather Bureau.
	Kyertown.....	Clearfield.....	255	63	75.5	+1.4	100	26	46	2	35	2.44	-1.84	0.88	0	13	24	4	3	nw.	Sup't. of Water Works
	Lancaster.....	Lancaster.....	1,000	43	69.8	-0.6	95	26†	39	1	39	4.33	+0.23	1.57	0	13	16	12	3	.....	C. P. Darling.
	Lawrenceville.....	Tioga.....	469	56	75.5	-1.4	102	26	48	2	33	5.27	+0.90	2.55	0	9	23	6	2	sw.	Lebanon Valley Gas
	Lebanon.....	Lebanon.....	500	2	74.0	.....	96	29	45*	3	37*	2.91	.....	1.39	0	10	10	12	9	e.	Penna. Edison Co.
	Lewistown.....	Mifflin.....	580	50	72.6	-1.0	96	20†	44	2	35	4.50	+0.50	1.32	0	9	12	18	1	sw.	Joseph Beaver.
Atlantic Drainage.	Lock Haven.....	Clinton.....	50	14	79.6	+0.6	105	26	56	1	30	1.41	-2.74	.....	.....	10	24	1	6	.....	Sun Oil Co.
	Mareus Hook.....	Delaware.....	1,620	35	69.2	+1.0	92	29	44	1	32	1.33	-2.77	0.32	0	11	8	16	7	sw.	Philip F. Chamberlain.
	Montrose.....	Susquehanna.....	1,720	34	64.8	-0.9	89	30	37	2	34	2.54	-1.93	0.90	0	12	16	13	2	nw.	Cecil J. Hoskinson.
	Mt. Pecono.....	Monroe.....	1,045	28	68.4	-1.4	94	28	38	1	39	4.49	-0.19	1.12	0	10	21	9	1	w.	H. O. Hacker.
	Muney Valley.....	Sullivan.....	60	51	.....	.....	.....	.....	.....	.....	.....	3.12	-1.35	1.00	0	11	24	3	4	w.	Philadelphia Sub. Water Co.
	Neshaminy Falls.....	Bucks.....	679	2	72.4	.....	101	26	42	2	39	1.93	.....	1.09	0	8	17	10	4	w.	J. Earl Scaffier.
	New Bloomfield.....	Perry.....	398	22	74.4	+0.9	98	26†	46	2	38	5.29	+0.81	1.88	0	12	5	20	6	ne.	New Jersey Zinc Co.
	Palmerton.....	Carbon.....	26	69	77.2	+1.0	99	28	58	4	24	1.82	-2.33	0.55	0	11	11	12	8	sw.	U. S. Weather Bureau.
	Philadelphia.....	Philadelphia.....	20	24	77.5	+1.0	99	27	58	2†	24	2.88	-1.72	1.04	0	10	11	14	6	sw.	Navy Aerological Office
	Phila. Navy Yard.....	Philadelphia.....	100	30	75.2	-0.4	99	26	45	2	35	3.38	-1.58	1.60	0	10	19	9	3	sw.	Philadelphia Sub. Water Co.
Atlantic Drainage.	Phoenixville.....	Chester.....	407	2	72.6	-0.9	98	26	44	2	34	3.61	-1.29	0.90	0	10	22	1	8	s.	E. E. Rarick.
	Port Clinton.....	Schuylkill.....	496	55	.....	.....	94	21†	.....	.....	.....	3.63	-1.05	1.32	0	11	21	5	5	w.	John E. Benner.
	Quakertown.....	Bucks.....	273	70	76.3	+0.9	99	26	52	2	27	4.35	+0.09	0.95	0	13	14	11	6	nw.	U. S. Weather Bureau.
	Reading.....	Berks.....	746	46	72.4	+0.7	96	29	49	6	32	2.66	-1.37	0.97	0	12	6	20	5	n.	U. S. Weather Bureau.
	Scranton.....	Lackawanna.....	455	50	72.9	-0.5	95	26†	46	2	33	4.92	+0.88	2.30	0	11	12	11	8	sw.	Dr. George E. Fisher.
	Shelton Grove.....	Snyder.....	51	44	76.4	-0.1	99	27†	51	2	30	3.91	-0.38	0.98	0	11	19	6	6	s.	Joseph J. Bryza.
	Shawmont.....	Philadelphia.....	660	7	74.8	.....	97	26	49	2†	35	4.37	.....	0.81	0	12	11	13	7	sw.	State Teachers College
	Shippensburg.....	Cumberland.....	1,217	56	72.2	+2.7	95	29	46	2	32	4.57	+0.71	1.13	0	12	3	16	12	w.	C. A. Kern.
	State College.....	Centre.....	500	26	.....	.....	.....	.....	.....	.....	.....	1.81	-1.99	0.46	0	13	12	13	6	ne.	State Teachers College
	Stroudsburg.....	Monroe.....	754	46	70.4	-0.1	96	29	43	1†	38	3.55	+0.35	1.22	0	10	22	8	1	w.	Mrs. M. Ordella Parks.
Atlantic Drainage.	Towanda.....	Bradford.....	1,419	70	69.4	+0.5	96	30	41	1†	39	3.55	+0.35	1.22	0	10	22	8	1	w.	George W. Hill.
	Wellsboro.....	Tioga.....	455	91	75.2	+0.8	98	27	51	2	31	2.61	-2.03	0.70	0	12	22	6	3	w.	Harlan Saylor.
	West Chester.....	Chester.....	544	2	71.9	.....	97	26	46	2†	36	2.97	-1.10	0.93	0	13	5	18	8	.....	U. S. Airways Station.
	Wilkes-Barre (Airport).....	Luzerne.....	521	54	72.0	-1.3	94	26	45	1†	35	3.54	-0.30	2.00	0	12	19	10	2	w.	Mrs. Ralph F. Keller.
	Williamsport.....	Lycoming.....	1,275	25	73.2	+0.5	95	26†	48	2	33	2.41	-3.01	1.35	0	9	20	8	3	sw.	Susquehanna Co. Co.
	Williamstown.....	Dauphin.....	400	52	74.7	+0.2	98	26	47	2	32	2.41	-1.81	0.78	0	14	15	14	2	s.	York Water Co.
	York.....	York.....	1,173	50	65.3	-2.7	94*	25†	38	2	43*	2.18	-1.98	0.52	0	9	11	5	15	.....	Frauk S. Fawcett.
	Brookville.....	Jefferson.....	1,077	27	72.8	+0.4	97	28	40	13	42	2.38	-2.03	1.15	0	7	20	7	4	nw.	William C. Faust.
	Butler.....	Butler.....	1,047	39	72.9	+1.3	93	26†	41	2	38	4.10	-0.59	1.03	0	10	17	7	7	w.	John E. Lewis.
	Chambersville.....	Indiana.....	1,020	8	71.9	-0.8	91	26†	46	2	29	3.82	+0.73	0.95	0	12	16	8	7	s.	Carnegie-Illinois Steel Corp
Atlantic Drainage.	Clairton.....	Allegheny.....	1,150	35	70.7	-2.5	94	30	42	5†	37	2.14	-2.11	0.90	0	11	23	6</			

Daily Precipitation for July, 1940																																				
Stations	Drainage Basin	Day of month																															Total.			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Atlantic Drainage																																				
Allentown ²	Lehigh	.11		T.	.72	T.					.31		.57	.04											.02	.04	.10	1.67	2.12	.28	T.	T.		.95	6.38	
Altoona	Juniata	.44				T.						.14	.24				.38								.15	.20	.03			.11	2.29		T.		3.98	
Ansonia ²	W. Br. Susq.	.24			.02							T.		.81			.10								.15	.15	.37	.06		.03	.05	.62			2.56	
Ardmore ²	Lower Del.			.69									.16	.09				.20							.31	.05	.28	1.7	T.	.04		.12			3.11	
Arendtsville ²	Lower Susq.	.35	.01		.47	.03						T.		.50					.01						.13	1.47						.23	.43	.20	3.89	
Baker's Summit	Juniata	.31									.30	.34	.08				.43								.60		.14		.18		1.03	1.50			1.81	
Bald Eagle	Middle Susq.												.42				.57								.60		.14		.18		1.03	1.50			1.81	
Bedford ²	Juniata	.29			.10								.48				.44								T.	.38	.07		.22		.07		.93	.41		3.17
Bellefonte	W. Br. Susq.										.06	2.27	.18				.37		*	*	*	*			.02	.33	.23		.11	.29	.04			4.00		
Berwindale	W. Br. Susq.										.17	.01	.70												.06	.05	.18	.34	.31	T.		.03	.84	3.57		
Bohlehem	Lehigh	.09		.11	.54								.08				.28		.04						1.47		.04						.19	2.70		
Blg Knob ²	Susquehanna	.51			.09								.21				.01	.02	.02						.07	.62			.61		.02	.03	.02		2.66	
Bloomsburg	Susquehanna	T.			.09								.21				.17		.17						.71		.37						.62		2.32	
Blossville	Lower Susq.	.02		.05	.01								.53				.41									.06				.38		.11	.60		2.48	
Buffalo Mills ²	Potomac	.39																																	1.38	
Carlisle	Lower Susq.	.10		.17	.10	.01				.06		T.	.17				.07	T.	T.						T.	.14	.10			.20	T.	T.	.26		2.11	
Carter Camp	W. Br. Susq.									.13							.19									.03	.07	.06	.03				.60		1.59	
Centro Hall	Susquehanna	.03									.26	.20	.34				.19									.03	.07	.06	.03		.12		.06		1.89	
Chambersburg ²	Potomac	.25			.28								.61				.17		.11							.04	.12	T.				.03	.07	.12		1.80
Clearfield ²	W. Br. Susq.	.52									.03	1.31					.36											.90	.19		.15		.31	.03	3.80	
Colesville	Lower Del.			.47	.09							.40					.10									.30				.05	.10		.01		1.52	
Colebrook	Lower Susq.			.31	.16					.01		.19	.06				.25								T.	1.38				.05	1.97	.21	.64	.07	5.30	
Conshohocken	Schuylkill	.21		T.	.40							.20													.10	.17	.08	1.62	.04	.01			.11	.02	2.96	
Covington ²	N. Br. Susq.			.05	.02							.40	.20				.10								.15		1.55						.95		3.42	
Doylstown	Lower Del.	.14		T.	.49							.73					.02	T.								T.		.07	.01	T.				.71	2.24	
Driftwood	W. Br. Susq.			.10						.28	.45	.44	.10				.28									.17	.42		.27	.43		.04			2.88	
Du Bois	W. Br. Susq.	.10		.10						T.	T.	.92	.98				.39								T.	.26				.59	.15	.08	.20		3.77	
Emporium	W. Br. Susq.			.23								.38	.17				.30												.34	.33					2.65	
English Center	W. Br. Susq.											.50	.23				.12									.90				.19			.30		1.36	
Ephrata	Lower Susq.	.12		.44	.36	T.				.03		.06	.47				1.11	.09	T.						.02					.19					4.58	
Fredericksburg ²	Schuylkill				.89						.77		.29	.05					.11							T.		.15	.07		.35	.01			1.19	
Freeland ²	Lehigh	.20			.04	T.	T.				.04		.38	.14												.15	.05	1.20	.12	.13	.08		.10	.87	3.50	
Galeton	N. Br. Susq.	.16	T.	.12	T.						T.		.50	.15			.10									.23			.07	.15		.92			2.40	
George School	Lower Del.	.09			.07	.59					.02		.63	.01			.15									.11	.01		.04	.25		.68		.22	2.27	
Gettysburg	Potomac	.18		.23	.26						.03		.11	.01			.15	.06								.08	.99	.47		.87	1.08	.01	.10	T.	4.63	
Girardville ²	Lower Susq.	.20			.03						.38	.61	.25	.01												T.	.02	.65		.08	.02		.04	.02	2.29	
Gordon	Lower Susq.	.24		.02	.10							.42	.22													.26	1.55			.27	.18		.50		3.56	
Gouldsboro ²	Lehigh	.18	T.	T.	.02	T.					.15		.25	.72			.05								T.	.30	.19	.10	.40	.56	.09	.50	.09	T.	.11	3.62
Graterford	Schuylkill	.18			.78							.71	.07				.37									.67				.16				1.71	4.01	
Hanover	Lower Susq.	.21	T.	.28	.44						T.	.38		.35			T.		1.03							.67	.13			.33	.90		.01		7.73	
Harrisburg ¹	Lower Susq.	T.		.20	.14						T.		.11	.01	T.		T.									.82	T.		.16	1.73		T.		3.17		
Hawley ²	Upper Del.	.07	.03		.04						.41		.41	.47														.35	.01	.60	.02		1.88	.04	4.33	
Hollersville ²	Upper Del.	.20	T.	T.	T.						.01		.66	.34					T.		T.	T.				.11		.39	.41	.31		.97	1.23	4.63		
Holtwood ²	Lower Susq.	.09			.77	.05						.05	.01				T.	.47									.77		.08	T.			T.		2.29	
Huntingdon	Juniata	.19			T.							.09	.50				.26		.23							.03	.89	.70	.02	.03		.05	.08		3.07	
Huntsdale	Lower Susq.			.28	.03							.47	.05				.06									1.00	.30					.51		2.70		
Ilydman ²	Potomac	.57	.02		.13									T.			.33		.14							.03		T.		.06		.59	.18	.04	2.09	
Kylertown ²	W. Br. Susq.	T.									T.	.14	.55	.34			.02	.26								T.	.60	.27		.97	T.	.19	T.		3.34	
Lakeville ²	Upper Del.	.11	.03	T.	T.						.68		.41	.52												.02		.02	1.01		.82		.52	.12	4.29	
Lancaster	Lower Susq.	.24		.40	.48					.05		.31	.02				.25	.10								.28	.01	.03		.23			.04		2.44	
Lausford ²	Lehigh	.25			.20						.36		.65	.19													.04	.92	'		.06		T.		2.67	
Laurelton ³	Lower Susq.										.13	.03					.10									.47	.23					1.16		2.12		
</																																				

Daily Precipitation for July, 1940—Continued from page 39

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage (continued)																																	
Sellersville	Lower Del.			.48	.11							2.44	.06				*	*	*	*	*	*	.08		.80	.66	.43			.13			5.19
Shade Gap	Middle Susq.			.08	.02					.03		.58	.13									.20	.20	.09	.06				.07	.04			1.50
Shawmont	Schuylkill	.20		T.	.58								.09	T.				.33				.30	.81	.02	.38	.98	.01			.21		3.91	
Shippensburg	Lower Susq.	.30	.09	.23	.14	T.				T.	T.		.60				.21	T.	.72			T.	.81	T.	.09			.72		.44	.02	4.37	
State College	W. Br. Susq.	.42	.01			T.						.56	.76				.26					T.	T.	1.14	.38		.08	.24	.67	.05		4.57	
Stroudsburg ²	Upper Del.																																
Strubury ²	Lower Susq.	.22			.17	T.							.66	T.			.05		T.				.06	.32	.235		.08	.16		.13	.09	4.29	
Susquehanna ²	N. Br. Susq.	.72	T.		.01								.82	T.			T.					.03	.14				.03			.52		2.27	
Towanda	N. Br. Susq.	.05	T.		.11	.03				T.		.31	.28				.12				T.	T.		.23	.01	.03	.06	.11	T.	.46	.01	1.81	
Wellsboro ²	N. Br. Susq.	.42		T.	.02						T.		.81				.17						.14	.10	.52	.01	T.	.04	.24		1.22	3.55	
Wernersville ² [nr]	Schuylkill										.34		.70	.05			.07						.12	.10				1.13	.05		.36	2.49	
West Chester	Lower Del.	.18		.15	.63	.02							.37				.04	.11					.30	.10		.06		.05		.05	.27	2.61	
Westgrove ²	Lower Del.	.14			.75							T.	.05	T.				.22			T.	T.			.06					.02		1.24	
Wilkes-Barre ² **	N. Br. Susq.		.03		.01					.30	T.	.48	.45				T.	.10		.02	T.	T.	.13	.29	.04		.35	.55		T.	.22	2.97	
Wilkes-Barre ² †	N. Br. Susq.	.19		.04	.03					.62		.31	.43				.02	.69	T.	T.	T.			.03	.26	.07		.52	.40		.76	4.37	
Williamsport ²	W. Br. Susq.	.16	T.		.09					.07	.01	.67					.13							.92	1.08	.01		.37	.02		.01	3.54	
Williamstown	Lower Susq.	T.		.06	.03							T.	.41				.02						.20	1.35	.16			.15		.03	2.41		
York	Lower Susq.	.20		.24	.46					.02	T.		.27	.02				.01	.02	T.			T.	.78	.08			.03	.22		.05	.01	2.41
York Haven ²	Lower Susq.	.20			.39	.17				.03			.26	.06				.01		.01	T.				.36			.02	.03	T.		.05	1.58
Zionsville (near) ²	Schuylkill				.60					.15		1.15	.05						T.					.15	1.20	.58	.25		.02		.55	4.68	
Trenton, N. J. ¹	Lower Del.			.40	.11					T.	T.	.29	.16	T.				.06				T.		T.	.03	T.	T.	.01		.08		1.14	
Ohio Drainage																																	
Acnetonia ²	Allegheny	.27									.62		.35				.50		.08					.49	.54	.16		.10		.61		3.72	
Beaver Falls ²	Beaver	.19	T.								T.	.17	.16				.32	T.	T.					.19				.76	.05	.14		1.98	
Blairsville ²	Allegheny	.43										.29	.31				.32					T.	.09	.69			.67	.12	.74	.25		3.91	
Bradford ¹	Allegheny	.14		.12	.37					.26	.05	.22	.02				.47						.48			.02				.64		2.79	
Brookville ²	Allegheny	.39			.08							.19	.20				.52							.11			.24	.03		.42		2.18	
Buckstown ¹	Allegheny	.44									.27	1.15					.41						.40	.45	.11		.04		1.49		.15	4.91	
Butler ²	Ohio									.10	.22	.01	.09				.42	T.						.39				1.15				2.38	
Chambersville	Allegheny			.09						T.	.54	.24	1.03				.61						.24	.30			.25	.02		.78		4.10	
Clairton ³	Monongahela	.46		T.						.40	.03	.20	.05			T.	.56	.08					.06	.13	.20		.95	T.	.70	T.		3.82	
Clarion ²	Allegheny	1.00										.29	.16				.74							.05	.48		.80	.26	.60	1.15		5.53	
Claysville	Ohio	.90	T.							T.		.05	.46				.37	.14					T.	.06	.01	.07		.02	.05	.01		2.14	
Confluence ²	Youghiogheny	1.23	.03	T.			.01	T.			T.		.81	.01			.79	T.			T.		T.	.39	.18	.04	T.	T.		.36	.13	3.98	
Counellsville ²	Monongahela	.94	.06							T.			1.27	.05			.70	T.	T.				T.	.39	.15	.23		.05	.04	T.	.05	3.93	
Coraopolis ²	Ohio	.41	.01								.41	.03	.73	T.			.37	.05					T.	.39	.15	.23		.05	.04			2.85	
Corry	Allegheny	.40			.08					.25		.20					.70							.06	.07		.10					1.73	
Coudersport	Allegheny	.32	.02	.15						.19		.38	.05				.18							.06	.07		.09			.07		1.58	
Derry	Conemaugh	.44		T.							.16	1.31	.29				.84	T.					.23	.74	.06		1.10	.58	.25			6.40	
Donora ³	Monongahela	.27								.10		.83	.04				.30	.05						.27	.19		.53	.67	.11	.39	.09		3.84
Dunlot	Allegheny	.28									.85	.42					.45						.27	.10	.25		.52		.17			3.31	
Ebensburg	Conemaugh										.46	T.	T.				.49		.03				.15	1.04	.60	T.	.29	T.	.19		.05	3.30	
Franklin ²	Allegheny	.57									.28	.31	.13				1.44															2.73	
Greensboro ²	Monongahela	1.83									.01		.91				.41	.01	.07				.03	.01	.37	.72		.05				.20	4.62
Greensburg	Youghiogheny	.57		T.						.12	.76	.74	.57				.28	.09	T.			T.	.08	.09	.02		.10	.13	.44	T.	.07		4.06
Greenville	Beaver		T.							.05	.07	.01					1.68										.22	.13				2.16	
Grove City	Beaver	T.	T.									.52	.17	.01			.37							.03	.01		1.10	T.		.20		2.42	
Irwin	Monongahela	.61	.01							.78	.18	1.00					.36	.16					.10	.42	.16		.40	1.43	.24	T.		5.95	
Johnstown	Conemaugh	.47								.21	.78	.37					.55						.12	.47	.49		.17		.04	.19	.03	3.89	
Kane	Allegheny	T.		.06						.53	.04	1.30	.08				.71	.11		T.			.04	.69	.34		1.39	.52	.24			6.65	
Kregar ²	Youghiogheny	1.01								T.	.04	.78	.02				.90							.18	.11	.26		.09	.15	.05	.36		3.95
Lake Lynn ²	Monongahela	1.82								.02		.31					.04	.02	.10				.02	.01	.30	1.00		.03				3.67	
Lanesville ²	Beaver	.12								.24	.07	.51	.50				.95						.07				.30					2.76	
Lock No. 4 ²	Monongahela	.64	.03								.04		1.18				.40	.02	.07				.71	.10	.23		.09	.01	.14	.03	.10	3.79	
Lock No. 5 ²	Allegheny	.21									.06	T.	.79				.51		.01				T.	.01	T.		.01		.28	.20		2.08	
Lycippus	Conemaugh	.75	T.							T.	.25	.47	1.18				.36	.02					.06	.07	.19	T.		.36	.50	.06	.		

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Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Altoona.....	Maximum.....	70	74	70	73	77	78	79	81	86	85	89	66	73	75	83	79	73	82	88	90	91	91	86	90	91	91	93	95	93	93	80	84.1	
Altoona.....	Minimum.....	50	45	48	51	48	45	49	53	61	69	65	67	47	44	48	56	57	62	61	67	69	68	70	68	68	71	68	66	67	71	67	69.0	
Bedford.....	Maximum.....	70	75	73	75	79	80	80	83	86	90	92	91	75	78	85	84	80	86	91	90	92	91	90	92	91	90	92	95	95	98	91	92	85.9
Bedford.....	Minimum.....	54	43	50	41	50	46	50	49	67	59	61	59	50	43	50	56	66	60	63	62	66	66	66	66	66	66	66	66	66	66	66	67.9	
Bethlehem.....	Maximum.....	76	78	77	74	80	82	85	86	87	90	91	91	75	80	82	81	84	89	91	91	91	91	89	86	96	99	99	98	97	98	96	87.8	
Bethlehem.....	Minimum.....	57	54	54	55	55	54	55	60	64	63	71	57	56	51	54	61	64	66	68	75	75	75	69	70	69	72	71	72	73	73	71	64.0	
Bloomsburg.....	Maximum.....	72	74	72	73	78	80	79	83	86	87	90	70	76	75	82	81	82	85	90	89	88	89	88	86	81	91	95	91	91	93	92	89	83.4
Bloomsburg.....	Minimum.....	48	52	65	67	62	65	63	70	70	71	70	58	61	65	64	63	67	65	67	73	66	69	71	71	79	71	67	69	71	70	70	66.1	
Brookville.....	Maximum.....	67	58	58	72	65	80	57	60	83	86	69	66	55	55	63	77	60	83	77	60	83	52	51	57	61	60	63	64	67	61	51.1		
Brookville.....	Minimum.....	47	38	47	48	39	37	43	48	54	58	60	53	37	39	43	54	52	51	57	61	60	63	64	67	62	71	65	67	63	61	51.1		
Butler.....	Maximum.....	74	75	76	80	79	81	86	86	83	89	89	87	78	84	84	82	80	91	92	92	94	94	91	94	91	96	96	95	97	96	94	87.5	
Butler.....	Minimum.....	50	42	49	43	44	44	55	55	58	59	58	56	40	42	51	50	59	59	58	59	66	70	67	67	76	68	68	68	69	65	57.9		
Carlisle.....	Maximum.....	76	78	73	76	82	84	87	88	89	90	96	91	80	84	90	84	85	89	90	98	99	96	90	88	92	91	91	91	93	92	91	88.9	
Carlisle.....	Minimum.....	57	51	55	57	51	49	50	51	53	67	67	62	55	46	50	63	62	70	70	71	73	70	70	68	72	73	73	70	71	68	62.4		
Chambersburg.....	Maximum.....	75	75	73	77	82	85	85	88	90	92	95	81	79	82	88	85	85	85	95	97	97	92	91	95	101	99	96	97	99	94	88.9		
Chambersburg.....	Minimum.....	56	48	55	56	50	52	54	62	64	66	65	58	48	52	61	64	67	64	69	71	72	73	68	68	73	72	73	68	70	69	62.4		
Chambersville.....	Maximum.....	72	74	75	75	78	81	82	82	85	89	87	76	73	79	84	81	78	87	90	91	92	94	94	91	95	91	91	93	92	93	91	88.4	
Chambersville.....	Minimum.....	62	41	50	49	42	43	50	54	55	57	63	54	46	43	49	59	60	61	64	67	64	66	70	65	71	68	67	67	67	65	57.7		
Claysville.....	Maximum.....	70	74	74	74	79	81	80	81	83	87	88	74	72	78	80	75	86	88	90	89	90	90	90	91	93	92	92	93	94	91	88.7		
Claysville.....	Minimum.....	52	44	47	43	42	48	53	54	54	59	63	54	42	44	51	61	57	57	59	62	67	65	67	69	64	73	69	68	68	69	65	57.7	
Clearfield.....	Maximum.....	68	70	70	71	76	80	81	81	80	80	77	72	76	73	79	84	81	78	87	89	89	86	87	89	89	87	83	82	82	82	81	81.2	
Clearfield.....	Minimum.....	45	40	46	53	41	38	39	51	55	57	63	53	44	43	45	52	54	58	61	63	64	65	65	66	63	70	66	65	67	64	64	55.6	
Coatesville.....	Maximum.....	76	79	77	75	78	81	83	85	87	92	95	72	77	82	82	86	83	88	93	96	95	95	95	95	95	99	99	97	97	97	97	87.3	
Coatesville.....	Minimum.....	55	49	48	52	53	52	49	54	59	63	65	64	55	52	51	59	62	62	64	71	70	71	69	70	72	69	69	71	71	69	61.6		
Corry.....	Maximum.....	70	74	75	74	79	81	85	86	84	88	87	69	70	78	84	79	82	86	89	90	89	90	88	88	95	93	90	95	94	92	81	83.1	
Corry.....	Minimum.....	35	40	43	41	41	40	48	52	72	72	67	55	40	60	67	60	72	63	65	68	64	72	74	79	89	74	65	65	66	70	60	60.3	
Coudersport.....	Maximum.....	67	69	70	72	77	83	82	82	79	87	87	73	70	78	84	79	82	86	89	90	89	90	88	88	95	93	90	95	94	92	81	83.1	
Coudersport.....	Minimum.....	38	38	42	51	40	38	40	49	52	53	57	48	41	36	41	53	46	53	57	59	56	60	60	63	62	66	63	60	63	64	57	51.9	
Donora.....	Maximum.....	72	77	72	77	81	84	82	84	87	89	90	68	77	81	86	80	87	92	94	93	96	89	94	94	94	94	94	94	94	94	94	94.9	
Donora.....	Minimum.....	51	52	53	53	49	54	59	61	63	68	68	52	51	51	56	64	63	63	67	69	73	73	71	72	63	71	73	73	73	72	68	63.2	
Ebensburg.....	Maximum.....	60	68	71	65	77	79	81	85	84	88	71	73	75	83	77	76	82	85	89	91	90	90	90	88	88	91	89	90	90	88	85	85.4	
Ebensburg.....	Minimum.....	47	41	45	51	41	41	47	50	54	53	61	53	45	49	47	54	56	58	59	59	56	60	60	63	62	66	63	60	63	64	57	51.9	
Emporium.....	Maximum.....	71	71	78	77	78	86	88	83	85	86	85	77	75	79	84	82	81	86	90	90	91	90	90	90	90	90	90	90	90	90	90	90.7	
Emporium.....	Minimum.....	35	42	38	42	44	45	34	58	54	63	53	41	43	48	58	50	60	62	61	62	63	68	68	65	70	66	67	68	67	61	55.4		
Ephrata.....	Maximum.....	78	80	75	80	84	89	86	91	92	94	95	83	82	86	88	88	83	93	98	98	97	98	97	92	100	99	99	100	101	94	90.7		
Ephrata.....	Minimum.....	57	49	53	56	52	52	52	55	61	64	67	62	57	51	52	65	68	68	70	74	72	70	71	73	72	70	70	72	73	69	66.2		
Erie.....	Maximum.....	67	68	71	69	77	79	81	80	78	84	78	66	72	75	83	72	73	79	86	86	85	86	82	86	94	88	83	86	92	76	67.2		
Erie.....	Minimum.....	51	54	54	55	57	59	62	67	68	73	56	55	55	55	63	62	59	64	71	77	75	74	74	76	76	74	73	75	72	67	65.2		
Franklin.....	Maximum.....	69	72	75	71	77	80	80	82	81	85	82	68	75	77	82	77	80	86	90	90	90	91	90	94	95	95	91	93	93	91	83	83.4	
Franklin.....	Minimum.....	46	45	46	47	45	46	47	53	55	60	61	54	43	44	48	52	55	57	61	62	65	66	68	69	66	68	69	69	69	69	67	57.1	
Freeland.....	Maximum.....	68	69	68	70	75	78	79	82	84	85	86	68	73	76	76	79	78	82	87	88	84	87	82	80	91	89	91	89	91	87	84	80.8	
Freeland.....	Minimum.....	47	49	52	52	52	49	57	59	64	65	52	49	53	53	59	56	65	67	68	68	65	66	66	66	68	73	69	69	68	66	69.6		
George School.....	Maximum.....	76	78	76	72	79	81	83	85	86	90	94	87	75	80	82	85	82	86	92	93	93	93	92	85	91	97	98	97	96	96	95	86.6	
George School.....	Minimum.....	57	50	51	55	54	52	53	56	58	64	69	60	57	51	51	59	64	64	66	71	71	73	70	70	68	69	70	72	71	73	70	62.5	
Gettysburg.....	Maximum.....	76	77	75	76	81	82	83	85	87	92	94	91	94	81	86	86	85	90	95	97	97	96	91	88	95	99	97	91	91	91	94	87.5	
Gettysburg.....	Minimum.....	55	49	55	55	53	53	53	59	62	65	66	61	57	48	74	65	63	67	65	71	73	73	74	74	74	77	71	70	68	72	64.4		
Gordon.....	Maximum.....	70	75	70	73	77	80	81	84	85	87	91	68	73	78	83	81	82	86	90	91	92	90	82	85	91	94	92	92	92	94	85	83.7	
Gordon.....	Minimum.....	45	39	45	55	43	41	46	48	55	57	58	58	42	46	59	58	58	58	63	61	66	61	66	61	66	66	64	66	64	65	64	56.0	
Greensburg.....	Maximum.....	70	72	74	75	79	82	83	85	85	86	88	70	75	82	85	80	88	90	91	91	92	89	89	92	93	9							

Daily Temperatures for July, 1940—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Port Clinton.....	Maximum....	73	75	75	78	78	79	81	85	87	89	92	88	77	79	82	84	83	87	92	93	95	93	88	87	95	98	95	94	94	95	88	86.4	
	Minimum....	51	44	47	55	48	45	48	51	58	59	59	57	45	50	62	58	58	62	66	64	67	64	69	70	68	67	68	69	67	66	58.7		
Quakertown.....	Maximum....	74	77	74	72	76	79	83	84	75	88	93	87	73	79	81	82	80	86	91	93	94	93	86	85	92	94	94	93	93	94	87	84.9	
	Minimum....	55	44	46	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	68	70	67	66	68	69	69	70	68	.....	
Reading*.....	Maximum....	74	77	75	74	81	82	83	85	87	91	94	72	79	80	84	84	82	87	93	96	97	97	86	88	94	99	97	96	96	97	89	87.0	
	Minimum....	58	52	53	57	56	55	56	62	67	66	70	60	59	54	61	67	64	69	69	76	77	75	72	72	73	73	72	72	74	72	71	65.6	
Retreat.....	Maximum....	72	72	73	71	75	77	80	82	85	85	86	68	73	76	80	79	81	83	87	88	86	87	84	83	89	92	90	90	91	90	84	81.9	
	Minimum....	45	48	49	54	48	45	49	53	57	62	56	55	51	46	46	61	57	66	64	67	66	67	66	66	66	70	67	69	69	68	66	58.7	
Ridgway†.....	Maximum....	67	68	71	76	72	76	80	81	81	81	85	82	63	74	78	82	77	80	86	89	89	90	89	83	89	92	93	97	90	91	89	82.0	
	Minimum....	42	37	46	49	38	38	42	48	52	55	52	51	38	40	43	47	50	60	57	59	58	65	63	64	60	68	63	63	64	62	60	52.7	
Scranton*.....	Maximum....	71	73	74	72	76	81	83	86	84	88	89	68	75	80	83	79	80	86	90	86	87	90	87	86	93	94	91	92	96	93	83.7		
	Minimum....	51	49	49	56	51	49	52	55	61	63	63	56	54	49	54	65	59	67	66	71	72	69	66	68	69	70	68	69	70	70	63	61.1	
Selinsgrove.....	Maximum....	72	74	74	75	78	81	82	84	87	88	89	71	75	78	80	83	84	86	90	94	94	93	90	86	94	95	93	94	94	95	90	85.3	
	Minimum....	50	46	55	56	49	49	53	60	62	65	55	54	47	52	53	68	68	62	67	67	71	68	69	69	70	67	67	69	70	69	60.5		
Somerset.....	Maximum....	62	69	67	69	74	76	73	82	80	82	83	73	71	72	77	76	74	80	82	86	85	86	84	86	88	87	87	89	90	89	83	79.4	
	Minimum....	50	38	43	50	38	40	44	44	51	53	60	53	43	38	44	54	54	57	54	57	64	66	65	65	62	68	65	62	60	64	62	53.8	
Springs.....	Maximum....	63	70	65	67	71	74	73	75	79	82	82	65	68	72	77	75	74	79	83	83	84	84	81	83	85	86	86	88	88	87	84	77.8	
	Minimum....	49	39	44	49	40	41	45	45	54	53	55	53	44	49	45	53	54	59	56	57	62	62	65	65	64	65	63	63	63	61	64	54.2	
State College.....	Maximum....	69	73	70	74	78	80	82	84	86	88	88	62	74	78	84	80	75	86	89	91	92	90	85	90	94	94	92	93	94	95	92	86	83.7
	Minimum....	50	46	53	57	50	49	50	57	63	65	64	54	51	48	56	59	56	62	65	69	70	70	69	67	66	73	68	68	68	68	68	60.6	
Stroudsburg†.....	Maximum....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	Minimum....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Towanda.....	Maximum....	71	72	75	74	77	80	84	86	84	88	86	72	74	79	83	78	83	88	90	87	88	92	81	88	94	93	93	93	96	93	83	84.0	
	Minimum....	43	44	46	56	49	45	46	50	56	55	62	53	50	43	47	60	52	62	63	64	64	64	64	60	66	72	65	68	65	65	65	56.9	
Uniontown.....	Maximum....	70	75	72	72	76	80	80	81	84	87	90	72	73	78	83	78	77	85	88	91	91	93	86	88	89	93	92	93	94	94	87	83.6	
	Minimum....	55	47	54	55	47	50	57	60	60	62	65	58	51	49	54	62	63	64	64	62	73	72	70	71	65	75	71	71	71	70	69	61.8	
Vandergrift*.....	Maximum....	78	76	60	75	79	83	83	85	86	86	81	65	75	80	85	75	84	92	93	94	93	95	88	88	95	95	96	84	93	96	90	84.8	
	Minimum....	50	43	38	50	46	46	54	58	48	61	65	56	45	48	46	49	61	63	62	66	65	69	71	50	67	77	71	70	69	70	68	58.1	
Warren.....	Maximum....	67	69	74	73	76	80	83	84	80	86	82	66	75	79	83	77	81	77	89	89	89	89	84	92	95	93	89	93	92	91	84	82.9	
	Minimum....	42	41	45	50	41	42	48	52	59	56	62	50	43	43	48	59	51	58	62	64	63	68	66	68	64	69	66	67	68	67	65	56.5	
Waynesburg.....	Maximum....	70	75	74	73	79	82	80	81	85	86	86	71	74	79	82	80	77	86	88	89	89	91	87	88	91	93	93	93	95	95	88	83.9	
	Minimum....	54	46	56	49	41	49	54	55	57	61	65	58	47	45	52	61	60	59	62	64	72	69	69	68	65	74	70	71	70	69	65	59.8	
Wellsboro.....	Maximum....	70	69	72	73	77	82	81	82	80	89	85	70	76	80	83	76	79	85	86	89	84	86	81	83	91	91	90	92	93	96	83	82.4	
	Minimum....	41	41	47	55	45	43	46	51	55	58	61	52	42	43	46	57	50	62	61	64	60	65	65	64	63	73	65	68	67	67	67	56.4	
West Chester.....	Maximum....	75	79	73	73	79	82	84	85	87	90	94	89	75	81	82	84	83	85	93	94	95	94	90	89	94	97	98	96	96	97	94	87.3	
	Minimum....	57	51	56	55	55	55	53	57	61	66	67	60	57	53	52	61	64	65	70	72	70	72	70	71	68	72	71	71	71	72	71	63.2	
Wilkes-Barre†.....	Maximum....	74	72	75	75	78	82	84	84	85	89	89	67	76	80	84	82	84	87	91	89	90	92	85	86	94	97	98	94	95	95	85	84.9	
	Minimum....	49	46	49	55	48	46	50	52	61	62	63	56	50	47	50	62	57	65	63	68	67	67	65	66	67	68	66	67	68	68	67	58.9	
Williamsport.....	Maximum....	70	73	73	75	78	81	82	84	85	87	90	73	75	79	85	82	83	87	91	92	88	89	80	82	93	94	92	91	93	93	89	84.2	
	Minimum....	45	46	51	57	50	47	48	52	59	63	66	55	53	45	50	61	56	68	81	91	92	92	81	81	93	95	91	95	94	94	91	85.7	
Williamstown.....	Maximum....	72	72	71	78	79	82	86	85	86	87	91	78	83	87	86	86	85	86	91	91	92	92	81	81	93	95	91	95	94	94	91	85.7	
	Minimum....	50	48	55	52	52	51	55	57	64	64	67	53	50	58	56	60	61	56	59	64	73	63	65	64	67	73	69	70	70	68	68	60.7	
York.....	Maximum....	75	76	76	75	79	82	82	85	86	91	93	91	76	81	83	82	84	88	94	96	96	95	89	87	95	98	97	95	94	96	94	87.5	
	Minimum....	58	47	54	56	50	50	51	54	62	63	64	64	58	50	54	64	61	67	63	69	69	68	68	70	70	71	70	69	68	69	67	61.9	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. † 1:30 a. m. to 1:30 a. m. * , * , * , etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	30.07	30.39	6	29.76	25	6.7	20	n.	11	78	61	68	76
Harrisburg.....	30.05	30.38	6	29.78	11	6.3	34	se.	27	78	47	62	78
Philadelphia.....	30.04	30.35	6	29.80	11	10.2	43	n.	30	82	51	66	58
Pittsburgh.....	30.08	30.37	6	29.83	11	8.4	38	nw.	29	80	50	63	64
Reading.....	30.04	30.38	6	29.79	11	8.0	47	n.	27	74	46	60	81
Scranton.....	30.05	30.38	6	29.79	11	5.4	25	nw.	26	78	48	59	65

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.
L. F. CONOVER
HARRISBURG, PA.
Vol. XLV. August, 1940 No. 8.

GENERAL SUMMARY.

This was the coolest August since 1934 and the sixth month this year with subnormal temperatures. The coldest period extended from the 20th to near the close of the month. On the 24th and 25th, numerous stations throughout the State reported temperatures close to the lowest ever recorded in August; 31 degrees at Wellsboro, on the 25th, is the lowest ever recorded in any August for that station. The southwestern counties were the warmest, averaging 71 degrees; the Mountain and Plateau counties were the coldest with a regional average of 67 degrees and a minus departure of about 2 degrees. Due to the continued deficiency, the average daily departure since January 1st is now 2.4 degrees.

Except for general showers on the 6th and scattered showers between the 14th and 18th, precipitation for the month was confined within the last week. Copious rains occurred particularly on the 31st. This is the fifth month this year with an excess in precipitation. The accumulated excess since January 1st now totals 1.62 inches. Greatest monthly totals were reported from the southeastern counties, the Pocono Mountain region, portions of the southwest and in western Crawford county.

Killing frosts were associated with the low temperatures of the 24th and 25th in the northern counties and considerable damage resulted to vegetation over that area. Corn growers over the northeast portion of the State had to cut immediately to avoid loss from the freeze. Along the entire northern tier of counties, the frost caused a 20 per cent loss in buckwheat; potatoes also suffered. Otherwise the weather was favorable for growth and farm work over most of the State and the drenching rains at the close of the month were beneficial.

Storm and wind damage resulted throughout widely scattered portions of the State from a series of heavy thundershowers occurring on the 6th. Local flooding occurred during other storms from high rainfall intensities but no estimates of damage were obtained.

TEMPERATURE.

The mean temperature for the State, as computed from the reports of 89 stations, was 68.8°, which is 1.5° below the 53-year normal for August. The highest monthly mean was 73.8° at Marcus Hook, Delaware County, and the lowest, 59.9° at

Brookville, Jefferson County. Extremes ranged from a maximum of 98° at Carlisle, Cumberland County, and New Bloomfield, Perry County on the 6th, to a minimum of 30° at Coudersport, Potter County on the 24th and at Ridgway, Elk County on the 26th. The greatest daily range in temperature was 44° at Coudersport on the 22d.

PRECIPITATION.

The average precipitation for the State, as computed from the observations at 175 stations, was 4.57 inches, which amount is 0.36 inch above the 53-year normal for August. The greatest monthly amount was 9.36 inches at South Mountain (Mt. Alto Sanatorium), Franklin County, and Springs, Somerset County, and the least monthly total was 1.91 inches at Galeton, Potter County. The greatest amount for any 24 consecutive hours was 5.46 inches, by recording gage, at Dushore, Sullivan County on the 31st.

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation		No of days.		
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy
1888.....	69.8	100	33	7.05	.....	10	13	10
1889.....	67.4	100	37	3.24	.....	8	15	10
1890.....	68.8	98	34	5.76	.....	12	9	14
1891.....	69.6	99	35	5.09	.....	12	8	12
1892.....	71.4	99	42	3.77	.....	9	14	7
1893.....	70.4	99	30	4.50	.....	8	14	10
1894.....	69.4	98	32	1.84	.....	6	13	12
1895.....	72.3	101	32	3.23	.....	9	15	11
1896.....	71.2	101	35	2.22	.....	8	14	11
1897.....	67.9	97	34	3.17	.....	9	14	11
1898.....	72.3	99	37	6.60	.....	12	11	11
1899.....	71.2	101	38	4.01	.....	7	14	10
1900.....	75.0	103	38	3.33	.....	9	14	12
1901.....	72.0	99	42	6.81	.....	11	10	12
1902.....	67.8	100	34	2.62	.....	8	13	13
1903.....	67.2	99	36	5.29	.....	14	9	12
1904.....	68.0	96	34	4.36	.....	9	15	10
1905.....	69.6	95	36	5.71	.....	12	12	12
1906.....	73.2	96	39	5.62	.....	12	10	12
1907.....	68.0	97	32	2.94	.....	10	16	9
1908.....	69.4	102	30	3.22	.....	7	15	10
1909.....	69.4	100	34	2.31	.....	7	16	9
1910.....	69.8	98	35	2.61	.....	6	14	10
1911.....	71.4	102	36	7.63	.....	13	11	8
1912.....	67.1	93	36	5.02	.....	14	9	12
1913.....	70.4	102	38	2.69	.....	8	17	9
1914.....	71.3	100	34	3.85	.....	11	13	11
1915.....	68.0	99	34	6.71	.....	15	10	11
1916.....	71.9	103	32	2.57	.....	8	17	10
1917.....	71.2	101	38	6.69	.....	10	15	10
1918.....	73.6	108	32	4.12	.....	11	16	10
1919.....	68.2	94	35	5.43	.....	12	13	10
1920.....	70.2	95	37	4.66	.....	15	9	12
1921.....	68.4	97	35	3.83	.....	9	17	8
1922.....	69.1	100	31	3.14	.....	10	15	9
1923.....	69.2	96	30	3.10	.....	9	15	11
1924.....	70.1	102	31	3.78	.....	9	16	10
1925.....	69.7	97	26	2.28	.....	7	18	9
1926.....	71.9	103	32	5.69	.....	15	11	8
1927.....	65.5	92	34	4.12	.....	12	12	10
1928.....	73.4	99	35	4.60	.....	12	13	11
1929.....	67.7	98	31	2.52	.....	7	17	8
1930.....	70.3	108	29	1.47	.....	7	15	10
1931.....	71.1	104	40	4.01	.....	12	11	10
1932.....	71.6	103	34	2.32	.....	8	19	8
1933.....	70.8	104	38	7.61	.....	12	13	9
1934.....	68.6	98	30	4.94	.....	11	14	8
1935.....	71.3	98	31	3.91	.....	11	13	10
1936.....	73.2	102	37	4.96	.....	12	13	11
1937.....	73.5	101	40	5.43	.....	12	13	9
1938.....	73.8	100	36	2.90	.....	8	17	10
1939.....	73.3	98	41	2.98	.....	8	15	10
1940.....	68.8	98	30	4.57	.....	11	11	9
Period.....	70.3	108	26	4.21	.....	10	13	11

Climatological Data for August, 1940

stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers	
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy			
Atlantic Drainage.	Allentown.....	Lehigh.....	260	28	69.3	-2.7	91	6	42	25	30	2.96	-1.94	1.48	0	10	13	15	3	ne.	John A. Frick.
	Altoona.....	Blair.....	1,615	53	67.0	-2.2	91	6	41	25	31	3.63	+0.14	1.12	0	13	10	7	8	e.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	330	20	69.5	-2.8	92	6	45	25	23	7.85	+2.18	1.84	0	14	4	11	16	.....	H. L. Balderston.
	Arendtsville.....	Adams.....	710	18	69.6	-2.9	93	6	47	24	32	6.35	+1.60	2.03	0	12	9	9	13	nw.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,100	8	68.6	.....	93	6	46	21	33	2.87	.....	0.83	0	9	13	2	16	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	450	64	70.6	-2.7	92	6	46	25	29	3.89	-0.56	1.62	0	14	17	5	9	e.	Lehigh University.
	Bloomsburg.....	Columbia.....	560	14	71.2	.....	90	6	52	26	30	5.80	.....	2.97	0	13	17	5	9	.....	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	473	71	71.6	-1.3	98	6	48	25	34	5.46	+0.74	2.07	0	16	14	4	13	ne.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	600	43	70.8	-1.6	96	6	50	25	32	4.91	+1.09	1.13	0	11	8	13	10	ne.	William B. Spear.
	Clearfield.....	Clearfield.....	1,260	39	65.7	-4.4	85	8	36	25	37	2.61	-1.51	0.76	0	8	17	3	11	e.	Otto J. W. Eppers.
	Colebrook.....	Chester.....	431	63	69.2	-3.4	91	6	45	25	33	4.28	-0.45	0.75	0	14	5	5	21	sw.	Howard L. Pyle.
	Emporium.....	Lebanon.....	630	28	67.0	-3.3	89	6	44	25	26	6.86	+1.77	3.85	0	15	11	6	14	e.	Wm. A. Rorer.
	George School.....	Cameron.....	1,050	55	66.3	-1.4	89	5	36	25	37	2.74	-1.24	0.90	0	7	14	2	15	w.	E. M. Poorman.
	Gettysburg.....	Lancaster.....	365	43	71.3	-1.1	95	6	46	25	33	4.07	-0.19	0.76	0	14	10	6	15	ne.	Ira J. Keath.
	Gordon.....	Luzerne.....	1,900	47	64.4	-2.3	87	6	41	25	23	3.84	-0.56	1.18	0	13	5	2	24	w.	Andrew B. Evansha.
	Gouldsboro.....	Bucks.....	160	34	69.8	-2.3	92	6	45	25	30	5.21	+0.17	1.62	0	17	18	5	8	e.	Prof. N. W. Swayne.
	Hanover.....	Adams.....	553	67	71.0	-1.3	93	6	51	24	28	8.88	+4.56	4.00	0	14	10	9	12	e.	Dr. Henry Stewart.
	Harrisburg.....	Schuylkill.....	900	36	66.4	-1.9	90	6	35	25	32	6.15	+1.95	3.15	0	15	15	6	10	e.	Miss Sallie M. Johnson.
	Hawley.....	Wayne.....	1,890	25	.....	.....	.....	.....	.....	.....	.....	5.17	+0.86	2.61	0	10	10	9	12	se.	Steward W. Eilenberger.
	Holtwood.....	York.....	600	36	71.2	-2.4	92	6	52	24	24	7.50	+2.98	2.61	0	16	12	7	12	se.	Thomas Y. Cooper.
	Huntingdon.....	Dauphin.....	337	71	70.4	-2.2	95	6	60	21	29	6.22	+2.18	2.82	0	15	4	13	14	e.	U. S. Weather Bureau.
	Kiortown.....	Wayne.....	900	22	65.3	-2.7	90	9	32	25	35	3.85	-0.24	1.59	0	10	16	7	8	w.	Mrs. Della M. Pennell.
	Lancaster.....	Lancaster.....	200	25	73.0	-2.0	93	6	64	25	22	4.89	+0.97	1.23	0	14	4	11	16	e.	H. W. Lowy, C. E.
	Lawrenceville.....	Huntingdon.....	700	53	69.2	-1.5	97	6	40	11	42	2.45	-1.43	0.75	0	10	13	7	11	e.	Prof. Paul R. Yoder.
	Lebanon.....	Clearfield.....	1,700	11	65.0	-2.6	85	5	37	25	34	2.17	-1.12	0.57	0	10	.....	.....	.....	.....	U. S. Weather Bureau.
Lewistown.....	Lancaster.....	280	53	70.2	-2.2	92	1	43	25	36	4.24	+0.16	0.79	0	14	16	5	10	se.	Supt. of Water Works	
Lock Haven.....	Tioga.....	1,000	43	66.0	-2.3	90	5	34	24	37	3.20	-0.27	1.60	0	8	15	8	.....	.....	C. P. Darling.	
Marcus Hook.....	Lebanon.....	469	56	69.0	-3.2	95	6	44	25	29	3.55	-0.88	1.00	0	14	14	6	11	ne.	Lebanon Valley Gas	
Montrose.....	Millin.....	480	2	70.4	.....	94	6	47	21	31	3.18	.....	0.75	0	13	15	4	12	e.	Penna. Edison Co.	
Mt. Pocono.....	Clinton.....	654	50	68.8	-2.7	94	6	41	25	34	3.28	-0.73	1.20	0	10	13	10	8	ne.	Joseph Beaver.	
Muncy Valley.....	Delaware.....	50	14	73.8	-2.5	95	5	50	24	28	7.76	+1.90	1.98	0	12	14	3	14	se.	Sun Oil Co.	
Neshaminy Falls.....	Susquehanna.....	1,656	35	65.8	-1.0	89	10	36	25	33	5.57	+1.50	2.63	0	8	9	10	12	se.	Philip F. Chamberlain.	
New Bloomfield.....	Monroe.....	1,740	34	60.2	-3.8	82	14	33	25	32	9.33	+5.07	4.25	0	14	14	5	12	e.	Cecil J. Hoskinson.	
Palmerton.....	Sullivan.....	864	28	65.4	-2.5	88	5	34	25	41	6.36	+1.73	3.77	0	6	16	7	.....	.....	H. O. Hacker.	
Philadelphia.....	Bucks.....	80	51	.....	.....	.....	.....	.....	.....	.....	5.71	-0.16	1.19	0	14	15	1	15	e.	Philadelphia Sub. Water Co.	
Phila. Navy Yard.....	Perry.....	679	2	68.4	.....	98	6	39	25	39	3.97	.....	1.02	0	11	10	9	12	w.	J. Earl Scaffier.	
Phoenixville.....	Carbon.....	420	22	69.0	-1.9	94	6	39	25	35	6.60	+1.64	2.04	0	14	0	12	19	ne.	New Jersey Zinc Co.	
Port Clinton.....	Philadelphia.....	26	69	72.0	-2.8	92	6	53	25	20	7.87	+3.25	1.82	0	12	4	11	16	ne.	U. S. Weather Bureau	
Quakertown.....	Philadelphia.....	20	24	72.6	-2.2	93	6	53	25	24	7.99	+2.71	2.00	0	13	9	10	12	n.	Navy Aerological Office	
Reading.....	Chester.....	100	30	70.7	-3.1	92	6	41	25	39	5.42	+0.07	1.39	0	13	10	11	10	w.	Philadelphia Sub. Water Co.	
Scranton.....	Schuylkill.....	430	2	68.2	-3.1	92	6	38	25	36	5.03	-0.14	1.91	0	12	16	1	14	s.	E. E. Rarick.	
Selinsgrove.....	Bucks.....	480	55	67.6	-2.8	91	6	38	25	30	4.70	-0.39	1.59	0	11	10	8	13	se.	John E. Benner.	
Shawmont.....	Berks.....	273	70	70.4	-2.5	92	6	47	25	24	5.40	+1.19	1.69	0	12	7	11	13	ne.	U. S. Weather Bureau.	
Shippensburg.....	Lackawanna.....	746	46	68.2	-1.6	89	9	38	25	29	5.13	+1.44	3.19	0	9	7	12	12	n.	U. S. Weather Bureau	
State College.....	Snyder.....	420	50	70.0	-1.4	91	6	40	25	29	5.32	+1.48	1.30	0	13	12	10	9	nw.	Dr. George E. Fisher.	
Uniontown.....	Philadelphia.....	51	44	71.8	-2.4	91	6	42	26	30	5.99	+0.88	1.38	0	13	5	9	17	s.	Joseph J. Bryza.	
Warren.....	Cumberland.....	660	7	69.3	.....	93	6	50	24	29	7.19	.....	1.81	0	12	10	10	11	nw.	State Teachers College	
Waynesburg.....	Centre.....	1,217	56	67.8	-1.0	89	5	42	25	29	2.66	-0.92	0.71	0	9	2	13	16	e.	Dr. H. Landsberg.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	50	59.9	-6.0	89	9	34	24	38	2.31	-1.53	0.85	0	7	6	4	21	.....	Frank S. Fawcett.
	Butler.....	Butler.....	1,077	27	70.6	+0.4	95	14	40	24	35	2.75	-1.15	0.62	0	9	13	11	7	w.	William C. Faust.
	Chambersville.....	Indiana.....	1,061	39	69.2	-0.8	90	13	40	21	35	3.41	-0.51	0.85	0	9	17	6	8	se.	John E. Lewis.
	Claysville.....	Washington.....	1,150	35	70.1	-1.6	91	5	44	22	33	4.61	+0.84	1.43	0	15	17	7	7	s.	J. L. Melvin.
	Corry.....	Erie.....	1,430	27	67.7	+0.6	90	11	36	23	36	5.56	+1.57	1.55	0	11	21	8	2	w.	Pennsylvania Electric Co.
	Coudersport.....	Potter.....	1,665	13	63.4	-2.7	89	10	30	24	44	3.44	-0.21	1.47	0	10	9	5	17	nw.	Philip R. Shaw.
	Derry.....	Westmoreland.....	1,172	43	71.3	+2.1	92	5	47	24	31	4.66	+0.59	1.11	0	9	15	10	6	w.	Ted R. Wineman.
	Donora.....	Washington.....	762	14	73.7	-0.5	92	18	53	22	28	5.59	+1.88	1.20	0	11	.....	.....	.....	.....	Aed. Steel & Wire Co.
	Ebensburg.....	Cambria.....	2,160	23	65.2	-1.7	90	13	44	25	32	3.02	-1.00	0.76	0	12	14	8	9	se.	D. H. Jones.
	Franklin.....	Venango.....	987	66	67.6	-0.9	88	13	41	25	32	2.79	-0.90	0.90	0	9	15	6	10	s.	William K. Fuller.
	Greensburg.....	Westmoreland.....	1,150	31	71.6	+0.6	93	5	50	21	30	4.33	+0.22	1.29	0	13	15	9	7	s.	Westmoreland Water Co.
	Greenville.....	Mercer.....	950	44	71.9	+2.6	94	11	42	21	41	4.31	+0.84	1.35	0	9	16	9	6	.....	Charles P. Clarke.
	Grove City.....	Mercer.....	1,256	33	68.2	-0.6	92	13	40	21	32	2.89	-0.58	0.93	0	6	14	9	4	se.	Prof. H. W. Harmon.
	Irwin.....	Westmoreland.....	1,100	43	71.6	+0.8	94	13	45	22	35	4.88	+1.10	1.33	0	10	13	10	8	w.	W. F. Gallagher

Daily Precipitation for August, 1940

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh							.34						T.			.02	.04	T.	.02														2.96
Altouna ²	Junata					.11		.04					.12			.07	.08	.03								.07	.82	.18	.17	.11	.12	.31		3.23
Ausonia ²	W. Br. Susq.							.48						.83				.05	.21						T.								.07	3.15
Arden ²	Lower Del.					T.	1.56	.03					.16	T.			.10	1.71	.27	.68						.40	.89	.78	1.06	.17	.02	.02		7.85
Arondsville ²	Lower Susq.							2.03					T.		.23	.01		.20		.22	.03							.98	1.49	.12	.07	.62	.45	6.35
Baker's Summit	Junata							.78									.10			.32							0.1	1.03	1.03	.43	.02	.12	.40	9.44
Bald Eagle	Middle Susq.					.01		.21					.55	.04					.29	.12					.08		.17	.59	.26	.04			.72	3.08
Bedford ²	Junata							.31					T.	.05	T.			.35		.20						.07		.83	.46	.67	.03	T.		2.87
Belleville	W. Br. Susq.																										.22	.43	.38	*	*	*	.32	3.01
Berwynville	W. Br. Susq.					.32							.99	.03					.30	.10							.92	.25	1.62	.09	.02	.36		3.89
Big Chem.	Lehigh							.21					.02	.01			.02	.29	.05	.02	.01		T.			T.	.92	.25	1.62	.09	.02	.36		3.89
Big Knob ²	Susquehanna					.03							.16				.14	.32	.04	.87							.78	.13	.91	.10	.04	1.39	5.21	
Boomsburg	Susquehanna					T.	.15						.28			.05	.04	.06	.16					.14			.68	.05	.70	.50	.02		2.97	5.80
Blossville	Lower Susq.					T.	.14					1.73	.11		.13				.03								.05	.86	.63	.83	.40	T.	2.00	6.91
Buffalo Mills ²	Potomac	.15						.35									.15	.23	.18									.72	.45	.89			.17	3.79
Carlisle	Lower Susq.						.05	.11						.74	.17		.04	.02	.04						.02		.06	.75	.58	.72	.04	.03	2.07	5.45
Carter Camp	W. Br. Susq.						.48													.24							.26	.07	1.89	.01	.66	.05	.17	3.23
Centre Hall	Susquehanna												.54				.02		.36						.38		.10	.64	.86	.15			.60	3.15
Chambersburg ²	Potomac							1.05						.03	.12	.08	.07	.05	.29								1.13	.63	1.05	T.			.60	4.91
Cleonsfield ²	W. Br. Susq.							.21						.09			.04		.68						T.			.67	.12	.64			.16	2.61
Coatesville	Lower Del.					.47	.36						.13			.65	.36	.08	.01								.50	.67	.66	.75	.07	.01	.13	4.28
Colebrook	Lower Susq.					.23	.27						.28	.01		.04		.09	.12						.05		.22	.57	.54	.48	.04	.07	3.85	5.66
Conshohocken	Schuylkill			*	*	*	*	*	*	*		1.93		.02		.10	*	*	*	*	*	T.			*	*	1.50	1.21	.84	1.19	.07	T.		7.25
Covington	N. Br. Susq.					1.60								.23			.10	.15	.15									.23	.15	1.05	.15		.10	3.91
Doylestown	Lower Del.						.57						T.	.66	.05	.03	.16	.16	.48					T.		T.	.96	.32	1.36	.05			4.20	
Driftwood	W. Br. Susq.					.30							.19					.29	.07									.50	.66	.01	.01	.07	1.44	4.51
Du Bois	W. Br. Susq.					.83	.01							.08						1.00				T.			.20	.50	.66	.01	.01			4.51
Emporium	W. Br. Susq.					.11							.10						.91								.05	.52	.68				.38	2.74
English Center	W. Br. Susq.					.22							.61						.21						.08	*	.17	.13	.23	.13		.03	.17	2.98
Ephrata	Lower Susq.					.52	.31						.10			.01	.05	.29	.16				T.	.02		.05	.76	.58	.58	T.	.01	.63	6.07	4.07
Fredericksville ²	Schuylkill					1.00	T.							.60		T.	.15	.37	.03	.06				.03	.03		.92	.06	.31	.19	.03	1.69	6.47	
Freeland ²	Lehigh						1.00	T.	T.					.03			.05	.10	.12	.18					.38		.68	.06	1.18	.17	.11	.68		3.84
Galeton	N. Br. Susq.					.41								.68					.28					T.			.02	.30	.04	.02		T.	.16	1.91
George School	Lower Del.					T.	.53						.02	.30	.16	.01	.04	.16	.12	.83	.02						.01	1.04	.20	1.62	.23	.01	.01	5.21
Gettysburg	Potomac					.35	.88							T.	T.		.06	.06	.02	.60				T.	.02		.01	1.05	.99	.75	.07	.02	4.00	8.88
Girardville ²	Lower Susq.						.78	T.						.13			T.		.01	.69							.48	.04	T.	1.14		.03	1.05	3.75
Gordon	Lower Susq.					.52	.30	.08					.21			.02	T.	.13	.08				.02	T.			.09	.40	.60	.52	.01	.02	3.15	6.15
Gouldsboro	Lehigh						.06	.02						.01						.12					.05		.32	.44	.18	.46			2.61	5.17
Graterford	Schuylkill						1.03							.22		.69	.37	.12	.03							.02		1.22	.34	1.31	.32	.06	.11	5.24
Hanover	Lower Susq.					.09	2.52						T.		.10	.03	.04	.06	.02	.19				.01	T.	.04	.96	.72	.47	.02	.02	2.22	7.50	
Harrisburg	Lower Susq.					.12	.26						1.01	.17		.08	.01	.01	.02					.02		.43	.19	.55	.65	.01	.25	2.61	7.22	
Hawley ²	Upper Del.						.02							.17						T.	.24					.15	.81	.03	1.59	.26	.02	.56	3.85	
Holtersville ²	Upper Del.						.02							.14						T.	.30				.12		.77	.17	1.84	.27	.01	.20	3.65	
Holtwood ²	Lower Susq.						1.23						T.		1.04	.02	.04	.06	.04	.16	.05					T.	.82	.05	.76	.12	.08	.42	4.89	
Huntingdon	Junata					.08	.16						.40			.10			.43						.05		.05	.75	.40	.76			.09	2.45
Huntsdale	Lower Susq.					.10	.16						1.26			.38			.03	.01						.05	.47	.59	.34			1.95	5.90	
Hyndman ²	Potomac						.72									.47	.21	.05		.10					T.		.58	.47	.59	.34			4.84	
Kylertown ²	W. Br. Susq.					.23								.26			T.	T.	.25	.02				.13		.57	.13	.57	.01	T.	.20	.20	2.17	
Lakeville ²	Upper Del.														.45				.31						.11		1.01	.03	1.70	.23	.20	.60	4.64	
Lancaster	Lower Susq.					.01	.28						.60	.11			T.	.01	.23	.40				T.		.04	.79	.37	1.63	.02	.08	.73	4.24	
Lansford ²	Lehigh						.57							.09			T.	.02	.10	.03					T.		.70	T.	1.62	.10	.03	1.14	4.40	
Laurelton ²	Lower Susq.					.83							.57			.20	.02	T.	.12								.29	.92	.12		.02	2.86	6.26	
Lawrenceville	N. Br. Susq.					.23							.45			.24	T.	.17		.17						.26	.29	.92	1.60			.08	3.20	
Lebanon ²	Lower Susq.						.29							.28		.03	.01	.02	.12	.06					.01		.70	.03	.95	.04	.06	1.00	3.55	
Lehighton ²	Lehigh						.30							.10		.10			T.							T.	.88	.03	1.39	.10	.05	1.46	4.41	
Levittown	Middle Susq.					.30	.32						.68		.08	.06	.01		.69						.08		.26	.26	.29			.75	3.18	
Lock Haven	W. Br. Susq.												1.20	.02	.05		T.	.23		.01				.03		.12	.56	.50	.54			.03	3.28	
Mapleton Depot ²	Junata						.04							.97		.38	*	1.98	.47								.86	.22	.66	.01		.02	3.69	
Marcus Hook	Lower Del.					1.38							.50			.06				.37							1.82	*		1.55	T.	.03	7.76	
Martinsburg ²	Junata					.13							1.30						.37								.98	.51	.90		.02	.06	4.24	
Matamoras ²	Upper Del.						.65											.11		.18							.78		1.47	.42			3.61	
Mauch Chunk	Lehigh																																	
McConnellsburg ²	Potomac						1.73									.70	T.	.12		.34														

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Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Selinsgrove.....	Lower Susq.....					.57							1.30			.20	.03	.02	.28					.02			.14	.51	.64	.43	.08	*	1.10	5.32
Sellersville.....	Lower Del.....					1.56	.01						.17			.06	.62	.19	.11							.36	.62	1.15	.63			.40	5.88	
Shade Gap.....	Middle Susq.....					.37	.15						.70			.37			.30							.50	.87	.60	.69		.46	.67	5.08	
Shawmont.....	Schuylkill.....					.88							.25	.08		.08	1.21	.13	.44	.07						T.	1.11	.24	1.38	.11	T.	.01	5.99	
Shippensburg.....	Lower Susq.....					1.41							1.81			.17	.04	.05						.04	T.	1.19	.59	.62	.04	.01	1.22	7.19		
State College.....	W. Br. Susq.....					.02							.71			T.	.01	T.	.50						.20		.55	.08	.26	T.	T.	.23	2.56	
Sunbury ²	Lower Susq.....					.56							.59			.04	.09		.22	.03							.63	.04	1.23	.07	.03	.94	4.47	
Susquehanna ²	N. Br. Susq.....					.08							T.	1.04					.07								.41		.73	.40		.86	3.59	
Towanda.....	N. Br. Susq.....			T.		.24	T.						.03			T.	T.	T.	.10					T.		T.	.41	.22	.75	T.	T.	2.30	4.05	
Wellsboro ²	N. Br. Susq.....					.57							.35			.04	.01	.36									.35		1.13	.04		.06	2.91	
Wernersville ² [nr]	Schuylkill.....					1.30										.08	.06	.16	.06							.16	.83	1.46	.03			.99	5.12	
West Chester.....	Lower Del.....					.47						.01	.20	.02		.09	.56	.24	.01							.05	1.37	.41	1.25	.08	.02	.39	5.17	
Westgrove ²	Lower Del.....					.50					.01	.19	.03			.06	.23	.14	.03								1.42	.05	1.51	.05	.03	T.	4.25	
Wilkes-Barre ¹	N. Br. Susq.....					.18	.05					.12				T.	T.		.28					.16	.46	.24	1.38	.56	.03	T.	2.41	5.87		
Wilkes-Barre ²	N. Br. Susq.....					.06						.16				.15	T.	T.	.02	.32					.22		.90	.02	1.41	.02		.24	3.52	
Williamsport ²	W. Br. Susq.....					.18						.64				T.	.09		.11	.02				.09		.60	.01	1.21	.06	.08	.58	3.67		
Williamstown.....	Lower Susq.....					T.	.70	.09				1.42	.20			.11	.09	.11						T.	.30	.18	.28	.42	T.	.06	2.12	6.08		
York.....	Lower Susq.....					.34	.83					.10				.02	.06	.04	.40						.02	.88	.52	.42	.02	.06	1.25	4.96		
York Haven ²	Lower Susq.....					.08	.06					1.20				.04		.13	.05								.75	.03	.90	.17	.05	.91	4.37	
Zionsville (near) ²	Schuylkill.....					.70						.15				.06	.25	.13									.83	.11	1.50	.21	T.	T.	3.94	
Trenton, N. J. ¹	Lower Del.....					.73	.04					T.	.68	.01		.01	.49	.08	.48				T.	T.	.36	.62	.96	1.02	.04	.02	T.	5.54		
Ohio Drainage																																		
Acmetonia ²	Allegheny.....					.31							T.					.98	T.					.19		.40	.65	.22			.55	3.10		
Beaver Falls ²	Beaver.....					T.										.10		.70	T.					.01	.06		.24	.86	.08	.01	T.	.49	2.55	
Blairsville ²	Allegheny.....					.18										T.	.12		.41	.01				.02	.11	1.37	1.14	.23	T.		1.06	4.65		
Bradford.....	Allegheny.....				.33	.68						.25					.50	.07								.06	.38	1.30	.36		.05	.65	4.63	
Brookville ²	Allegheny.....					.12						.08	.11	.19	.10		.26	.03	.20	.06							.85	.03	.52			.23	2.31	
Buckstown ¹	Allegheny.....					.55						.11	.19	.10		.26	.03	.20	.06							.32	.71	.54	.13		.25	3.53		
Butler ²	Ohio.....					.20						.17						.62									*	.52	.45		.02	.29	4.27	
Chambersville.....	Allegheny.....					.40						.05				T.		.85						.13		.06	.47	.54		T.	.11	.80	3.41	
Clarion ²	Allegheny.....					.18						.12				.02		.93									.87	.10	.04			.29	2.55	
Claysville.....	Ohio.....					.17	.01					.59	.30	.12	.01			.76					.04		.03	.60	1.43	.08	.12	.34	.01	4.61		
Confluence ²	Youghiogheny.....	.01	T.			1.60	T.			T.						.05	.35	T.	.13	T.				.06		2.12	1.90	.63	.02		.06	6.93		
Connellsville ²	Monongahela.....	T.				.73						T.				.03	.04	.02	.43	T.	T.			T.	.10	1.65	1.58	.49	.12		.25	5.44		
Coraopolis ²	Ohio.....					.06							.72				.02		1.18						.07	.30	.69	.28			.36	3.68		
Corry.....	Allegheny.....				.12	.40	.12					.20	.90	T.			1.55	.02	T.						.60		1.20			.30	.15	5.56		
Coudersport.....	Allegheny.....				.02	.39							.02				.45										.33	1.47	.40		.04	.30	3.44	
Derry.....	Conemaugh.....					.94	.26						T.			.05		.67						T.	T.	.48	1.01	.09		.05	1.11	4.66		
Douora ³	Monongahela.....					1.20							.03			.54	.02						.01		.25	.67	1.10	.43		.49	.85	5.59		
Dunlop.....	Allegheny.....					.40					.02	.60				.10		.40	.14							.31	1.19	1.10	.39		.21	4.86		
Ebensburg.....	Conemaugh.....					.19						.20				.07	.02		.75						.07	.10	.76	.48	.21		.03	.14	3.02	
Franklin ²	Allegheny.....				.06	.02	.30										T.		.80						.10		.90	.03	.38		.20	.27	2.79	
Greensboro ²	Monongahela.....	.54				.11						.05	.09	.04		.40	T.							.17	T.	.98	.84	1.60	1.95		.24	7.01		
Greensburg.....	Youghiogheny.....					.02	.69					.37				.50								.02		.03	.45	1.29	.15	.05	.22	.50	4.33	
Greenville.....	Beaver.....					.60										.16		.71								.30	.74	.40	.02		1.35	.03	4.31	
Grove City.....	Beaver.....					.30						.41				T.		.93								.16	.94	.65				.28	2.89	
Irwine.....	Monongahela.....					1.26						T.				.68		.68					.02		T.	.55	1.33	.09	.02	.12	.64	4.88		
Johnstown.....	Conemaugh.....					.63	.09					.03				.75		.75								.26	.66	1.26	.25		.08	.09	4.13	
Kane.....	Allegheny.....				.01	.87						T.	.04			.01		.84	.31				.02		.67	.08	.76	.09		.32	.94	4.96		
Kregar ²	Youghiogheny.....					.32										.88								.02	T.		1.15	1.60	.54	.08		.07	4.64	
Lake Lynn ²	Monongahela.....	.53				.15						.02	.02	.06	.01			.27									.95	1.13	1.24	.11		.18	4.67	
Linesville ²	Beaver.....				T.	.76	.72									1.25	.18	T.					.05		1.39	.20	.19		.14	.90	5.78			
Lock No. 4 ²	Monongahela.....					1.94						.04	.15	.03	.03			.63	T.				.02	T.			.65	.83	.35	.87		.59	6.13	
Lock No. 5 ²	Allegheny.....					1.18										T.		.78	T.					T.	.20		.46	.55	.32		.42	3.91		
Lycippus.....	Conemaugh.....					.02	.50								</																			

Daily Temperatures for August, 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Mean			
Altoona.....	Maximum.....	81	78	77	81	87	91	83	81	87	81	84	82	87	82	79	73	76	81	...	...	...	...	...	...	60	58	62	61	68	74	76.3 ¹			
	Minimum.....	52	53	59	53	59	62	61	53	56	58	59	62	61	63	59	62	65	68	...	...	...	...	...	...	11	48	53	57	58	60	63	57.8 ¹		
Bedford.....	Maximum.....	81	76	79	80	91	93	84	85	87	83	88	87	92	80	82	74	80	81	78	76	74	80	78	71	67	66	61	66	72	77	78.8			
	Minimum.....	56	54	58	55	68	64	66	66	57	65	55	59	71	65	66	63	67	68	66	52	47	48	50	46	50	52	55	57	60	64	61	58.4		
Bethlehem.....	Maximum.....	87	77	81	85	90	92	90	88	90	88	85	87	86	89	89	80	75	83	80	75	80	79	79	73	73	64	60	60	66	75	80	80.2		
	Minimum.....	60	60	66	60	65	70	69	65	65	63	60	65	70	69	63	62	60	70	69	68	72	70	70	76	67	68	60	60	60	60	70	76	73	68.1
Bloomsburg.....	Maximum.....	83	80	80	82	88	90	85	85	88	88	84	81	85	88	86	81	83	80	78	72	70	70	76	76	67	68	60	60	60	60	70	76	73	78.8
	Minimum.....	53	72	71	66	72	73	68	68	63	63	67	76	68	67	70	70	70	72	70	70	72	70	76	57	54	60	61	53	52	55	61	67	66	64	62
Brookville.....	Maximum.....	59	67	78	73	85	69	81	88	89	63	63	63	65	68	68	68	69	69	69	72	63	49	52	52	52	53	56	61	61	67	67	67	66.8	
	Minimum.....	46	45	54	56	59	60	60	50	51	53	50	54	59	62	61	59	65	68	63	47	38	41	46	34	34	43	52	56	60	62	64	51	51.0	
Butler.....	Maximum.....	87	83	85	93	92	87	85	88	90	89	90	93	89	95	85	88	88	95	88	77	73	78	80	76	73	71	65	86	86	83	74	81...		
	Minimum.....	52	52	61	58	58	67	61	53	56	60	60	63	68	59	67	67	63	65	49	41	46	52	40	43	44	54	63	62	65	57	57	57.9		
Carlisle.....	Maximum.....	87	84	85	88	95	98	90	88	91	92	89	88	95	88	85	78	83	80	82	80	78	82	80	75	70	60	62	65	67	75	81	61.6		
	Minimum.....	56	54	58	57	66	72	61	66	72	76	55	66	72	68	65	65	68	70	70	62	50	50	55	50	48	52	57	58	58	62	69	61.6		
Chambersburg.....	Maximum.....	81	83	82	86	92	96	87	88	89	86	87	87	92	87	83	71	81	85	85	77	77	82	79	75	69	61	61	63	64	80	79	80.5		
	Minimum.....	59	55	58	59	63	64	70	61	63	61	60	69	70	68	69	64	67	70	69	56	52	61	55	55	50	51	56	58	63	70	61.2			
Chambersville.....	Maximum.....	84	80	80	85	88	89	81	85	87	83	87	86	90	87	84	81	82	90	88	73	75	79	78	78	68	64	66	80	80	79	79	81.0		
	Minimum.....	51	56	52	57	63	64	70	61	63	61	60	69	70	68	69	64	67	70	69	56	52	61	55	55	50	51	56	58	63	70	61.2			
Claysville.....	Maximum.....	83	83	81	86	91	88	82	87	87	85	88	90	91	88	83	79	87	90	83	71	73	77	75	72	67	73	74	86	84	78	79	82.0		
	Minimum.....	52	55	58	59	66	69	58	54	61	56	62	64	61	67	61	63	67	62	62	46	45	44	54	45	51	56	58	63	61	65	63	58.2		
Clearfield.....	Maximum.....	84	80	81	83	84	83	83	85	84	81	84	83	83	85	84	81	82	84	83	72	71	73	78	69	68	58	58	63	65	71	71	77.0		
	Minimum.....	47	48	48	53	59	62	58	52	55	57	53	56	61	63	65	60	65	65	64	46	42	44	48	39	36	48	54	56	58	60	64	54.4		
Coatesville.....	Maximum.....	78	79	82	87	90	91	81	86	88	87	85	87	89	87	84	75	82	85	83	71	74	78	81	72	67	68	68	62	66	75	71	79.4		
	Minimum.....	59	57	51	54	60	68	67	60	68	63	60	59	65	68	68	64	62	66	69	64	55	49	47	55	49	45	53	54	57	56	61	64	59.0	
Corry.....	Maximum.....	85	81	86	88	87	75	82	86	89	88	90	90	87	87	87	79	85	90	76	70	75	78	70	68	59	70	61	82	82	70	77	85.1		
	Minimum.....	49	56	64	67	65	66	53	56	57	57	61	67	64	55	58	64	58	47	40	42	46	36	36	49	51	54	60	62	62	58	54.3			
Coudersport.....	Maximum.....	76	80	81	83	88	78	84	87	88	89	88	87	83	79	88	84	71	76	77	79	84	80	70	61	70	58	61	66	70	75	77	79.0		
	Minimum.....	44	42	54	53	61	61	54	47	49	50	48	46	58	54	61	60	59	46	37	40	42	40	28	30	36	34	45	53	55	59	61	49.0		
Donora*.....	Maximum.....	83	82	82	87	91	91	85	90	89	87	86	91	91	91	91	81	89	92	82	75	76	84	75	72	70	73	77	88	85	78	78	85.5		
	Minimum.....	60	61	67	66	66	70	65	64	66	64	67	71	68	71	67	67	71	67	62	54	54	53	60	54	57	60	60	66	70	69	63.9			
Ebensburg.....	Maximum.....	79	75	76	80	86	86	79	83	83	80	82	84	90	80	79	76	77	82	80	68	72	74	68	67	55	65	59	74	66	68	74	75.7		
	Minimum.....	47	50	55	54	57	62	50	56	51	54	56	62	61	60	59	63	65	65	54	49	52	45	49	48	41	47	51	57	56	62	54.7			
Emporium.....	Maximum.....	85	79	82	84	89	85	84	86	87	87	85	83	85	87	85	72	85	80	75	70	74	77	77	67	67	65	63	62	68	73	75	78.3		
	Minimum.....	48	48	60	58	56	63	59	54	54	58	54	54	55	62	52	55	67	64	65	48	43	42	51	38	36	50	50	55	61	57	58	54.3		
Ephrata.....	Maximum.....	86	83	88	90	92	95	89	90	94	90	89	90	89	90	85	77	85	83	80	78	79	81	78	75	69	59	61	64	70	76	80	81.8		
	Minimum.....	58	56	55	59	61	72	70	63	66	58	64	71	69	64	65	69	70	70	55	48	48	56	49	46	53	56	59	59	63	68	60	8.8		
Erie*.....	Maximum.....	77	82	86	90	83	77	76	80	84	82	88	86	85	80	86	84	83	92	70	68	68	74	66	64	59	67	64	80	84	72	78	77.9		
	Minimum.....	63	61	68	69	71	70	64	64	68	68	69	69	74	69	67	69	71	69	62	59	51	55	55	49	49	53	57	62	66	67	66	63.7		
Franklin†.....	Maximum.....	80	79	80	81	87	80	81	86	86	84	86	86	88	86	84	85	87	83	70	73	76	69	69	56	66	64	79	80	70	75	78.3			
	Minimum.....	54	53	54	62	68	69	58	56	57	59	58	60	62	66	58	59	67	64	63	50	44	41	47	43	41	43	54	57	63	64	66	56.9		
Freeland.....	Maximum.....	72	72	76	77	81	87	82	77	86	82	78	75	79	78	77	70	75	73	72	62	70	71	72	66	63	55	54	56	60	70	68			

Daily Temperatures for August, 1940—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Port Clinton.....	Maximum.....	88	77	78	81	90	92	84	84	85	86	84	83	86	87	87	87	81	79	79	74	74	75	75	71	70	68	61	63	65	72	77	78.6	
	Minimum.....	52	52	50	53	51	70	67	61	60	59	55	63	70	66	58	58	67	70	70	56	42	42	55	48	38	52	55	56	57	62	62	57.9	
Quakertown.....	Maximum.....	82	77	79	82	88	91	80	84	86	84	81	83	88	87	85	81	77	80	82	69	72	71	73	71	67	67	63	61	67	75	79	78.0	
	Minimum.....	55	54	50	55	62	68	68	60	60	59	54	59	67	68	60	60	61	70	66	54	42	44	54	44	58	50	53	56	57	61	64	57.2	
Reading*.....	Maximum.....	78	78	80	84	89	92	84	86	88	86	83	85	88	88	84	75	79	81	80	75	74	75	77	71	66	58	62	65	68	73	80	78.5	
	Minimum.....	63	61	57	62	68	71	70	65	68	66	62	66	71	70	65	66	68	71	62	58	52	51	57	52	47	54	57	59	60	70	75	72	62.2
Retreat.....	Maximum.....	79	77	80	81	88	88	82	84	85	85	82	84	83	86	83	76	82	78	74	71	72	75	76	67	65	59	59	60	70	75	72	76.7	
	Minimum.....	54	53	51	55	60	69	64	61	59	60	67	58	58	67	57	61	67	69	67	58	45	43	56	45	39	51	52	54	55	63	67	57.7	
Ridgway†.....	Maximum.....	82	75	77	79	81	84	76	80	83	85	85	81	83	87	87	85	70	84	86	71	71	73	76	70	68	60	64	60	73	70	71	76.8	
	Minimum.....	46	45	54	58	62	64	48	51	51	53	52	53	60	60	50	55	62	60	62	45	40	40	45	35	34	30	34	46	48	58	60	51.3	
Scranton*.....	Maximum.....	71	79	82	82	87	88	86	85	89	88	85	84	88	89	87	87	85	79	79	76	71	78	74	71	67	60	60	62	67	72	74	77.2	
	Minimum.....	57	58	56	59	67	72	69	65	60	63	61	60	70	67	65	61	67	70	60	53	44	46	55	46	38	52	50	55	56	65	68	59.2	
Selinsgrove.....	Maximum.....	77	80	80	83	89	91	85	85	89	89	84	83	88	89	87	87	85	79	79	76	71	78	74	71	67	60	60	62	67	72	74	78.9	
	Minimum.....	65	69	69	72	68	73	67	61	62	62	62	62	59	67	66	62	69	64	71	64	47	52	50	47	44	52	54	56	58	69	62	61.2	
Somerset.....	Maximum.....	78	74	73	81	87	85	79	80	82	78	79	82	84	81	70	70	73	85	70	69	69	73	71	70	63	67	65	78	66	70	74	75.7	
	Minimum.....	48	45	55	52	53	60	62	50	48	48	51	61	54	61	59	66	63	63	63	48	39	41	47	39	46	49	53	57	58	59	60	53.2	
Springs.....	Maximum.....	74	72	72	79	84	83	77	80	78	74	68	75	82	77	68	65	73	82	71	68	68	72	67	68	55	67	65	80	63	69	71	72.5	
	Minimum.....	48	48	56	49	52	56	61	52	51	51	56	64	56	60	60	57	64	65	57	46	40	45	47	40	40	47	52	56	58	57	53.4		
State College.....	Maximum.....	77	76	78	82	89	89	84	87	89	84	84	84	88	84	82	68	82	82	74	71	73	77	71	69	58	56	59	62	64	72	75	76.5	
	Minimum.....	59	54	61	63	66	68	65	58	61	61	59	63	68	66	61	63	63	67	67	54	46	51	57	48	42	49	51	56	57	60	64	59.0	
Stroudsburg†.....	Maximum.....																																	
	Minimum.....																																	
Towanda.....	Maximum.....	72	80	84	83	89	89	84	87	88	90	87	85	82	88	87	77	90	80	74	72	75	78	73	68	68	59	61	59	69	80	79	78.6	
	Minimum.....	52	52	51	51	64	66	61	56	52	51	54	53	61	61	53	53	65	63	57	52	41	39	52	38	33	51	50	53	55	62	67	53.8	
Uniontown.....	Maximum.....	79	81	81	85	89	90	81	85	86	83	84	88	80	77	86	90	84	72	74	79	74	72	68	72	55	84	79	76	77	80.9			
	Minimum.....	57	63	64	59	64	70	66	60	62	61	68	71	66	70	66	70	69	67	58	49	49	57	51	55	61	63	65	65	67	67	62.8		
Vandergrift*.....	Maximum.....	85	80	80	89	92	92	83	89	87	84	84	89	92	89	86	76	86	86	79	76	72	80	71	71	60	64	74	76	80	81	76	79.9	
	Minimum.....	55	55	61	60	66	56	61	57	60	61	59	61	65	68	65	67	69	64	56	51	47	41	56	49	50	51	51	49	64	67	63	58.4	
Warren.....	Maximum.....	77	78	80	86	87	87	81	88	88	87	87	90	85	85	88	75	86	89	78	70	75	78	71	69	60	68	60	73	77	74	69	78.9	
	Minimum.....	52	49	60	62	68	67	58	54	56	57	56	54	65	65	65	60	67	63	59	50	42	42	52	37	36	49	53	56	60	64	60	55.9	
Waynesburg.....	Maximum.....	81	85	84	86	90	88	85	87	85	88	90	94	92	89	83	78	90	92	85	78	75	80	75	75	67	73	78	88	87	78	76	83.1	
	Minimum.....	56	55	58	58	64	68	62	56	60	58	61	61	62	69	64	65	64	62	65	50	46	47	56	47	53	59	61	63	62	66	65	59.5	
Wellsboro.....	Maximum.....	72	79	73	81	86	83	81	81	85	80	84	89	81	84	84	73	80	78	73	66	70	75	70	65	63	59	58	61	64	74	73	75.0	
	Minimum.....	50	51	53	54	65	65	57	53	55	51	55	51	62	65	53	51	65	65	63	52	42	43	52	32	31	52	50	55	57	62	66	54.2	
West Chester.....	Maximum.....	78	78	83	87	90	92	85	86	87	88	87	88	89	88	83	76	80	84	88	73	75	75	81	70	67	59	62	65	67	73	81	79.4	
	Minimum.....	60	59	55	58	63	70	69	64	63	63	60	60	69	66	64	69	70	69	55	50	52	56	52	47	53	54	59	58	62	66	60.9		
Wilkes-Barre†.....	Maximum.....	74	80	82	83	90	92	87	86	91	89	86	87	82	90	84	76	83	80	77	72	73	77	77	68	67	60	62	61	70	77	71	78.5	
	Minimum.....	54	53	53	55	63	69	67	63	59	61	58	53	65	65	61	59	67	67	59	51	43	44	45	40	38	50	50	50	54	56	64	67	56.7
Williamsport.....	Maximum.....	80	77	80	83	89	89	84	86	89	87	84	83	85	87	85	80	84	81	77	71	73	78	75	70	65	61	60	60	67	75	77	78.1	
	Minimum.....	56	53	58	56	65	68	63	57	58	58	58	61	65	66	57	63	67	70	67	53	46	45	52	42	38	50	51	55	56	62	67	57.6	
Williamstown.....	Maximum.....	87	77	75	83	88	91	84	84	85	84	88	83	88	84	88	74	82	73	73	69	75	75	70	68	61	57	58	62	71	71	76.7		
	Minimum.....	55	56	54	58	64	68	64	64	63	63	59	62	63	64	60	58	63	65	66	52	43	53	57	46	45	47	51	52	53	58	64	57.8	
York.....	Maximum.....	91	80	80	85	89	94	84	85	85	86	85	85	89	87	82	77	81	80	80	75	73	77	75	71	71	61	63	64	67	75	80	79.4	
	Minimum.....	56	53	53	58	66	70	69	67	62	63	57	65	71	71	67	66	69	71	69	52	50	52	55	47	48	54	57	60	59	64	69	61.0	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. ‡ 1:30 a. m. to 1:30 a. m. †, ‡, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	30.08	30.33	24	29.66	18	7.8	21	se.	16	78	62	71	51
Harrisburg.....	30.10	30.40	11	29.66	19	7.2	26	sw.	6	86	60	72	51
Philadelphia.....	30.11	30.39	11	29.66	19	11.4	26	s.	5	86	64	76	56
Pittsburgh.....	30.08	30.33	11	29.69	18	9.0	27	nw.	18	82	56	66	64
Reading.....	30.11	30.40	11	29.66	19	9.2	37	n.	6	42	58	69	49
Scranton.....	30.11	30.41	11	29.65	15	5.4	25	nw.	6	79	52	63	46

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CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

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GENERAL SUMMARY.

September temperatures averaged below normal for all stations during the month and was the seventh coldest of record since 1888. February and July have been the only months this year with above-normal temperatures and the deficiency since January 1st now totals 661 degrees or a daily average of -2.4 degrees. Highest readings throughout the State were reached on the 20th and 21st, when temperatures reached above 90° at many stations. Sectional averages show the southeast as being the warmest with an average of 63 degrees; southwest, 62 degrees; the Lake Erie section, 61 degrees and the Plateau and Mountains, 60 degrees. Heavy to killing frosts occurred during the last week of the month, especially on the 26th and 27th, over most of the State except along Lake Erie and the extreme southeast. The 21° temperature at Kane on the 26th equalled the lowest ever recorded in the State during September; previous dates being September 28, 1914 at West Bingham, Potter County, and September 22, 1904 at Saegerstown, Crawford County, and Smethport, McKean County. On the 27th four other stations reported their individual records equalled for low temperature, while two others, namely Harrisburg and Johnstown, established new records. Crops were damaged in widely scattered localities by these frosts, especially corn which received the most injury.

Precipitation averaged slightly above the normal and the rainfall periods were fairly well spaced; the bulk occurring in three general storms, on the 1st (in eastern counties), the 8th to 10th and again on the 24th and 25th. The southeast section received the highest average with 4.31 inches, the Mountains 3.31 inches, Plateau 3.10 inches, the Southwest 3.03 inches and the Lake Erie section 2.69 inches. Snow fell at Buckstown, Somerset County, during the night of September 10th and was the first reported in the State since last spring.

Electrical storms throughout the State on the 8th and 9th resulted in minor lightning damage in many sections, while those of the 21st, associated with a cold front and sharp drop in temperature, caused no damage. Days with other general electrical storms were the 24th and 25th, followed by an auroral display on the night of the 26th.

The Federal-State Crop Reporting Service reported marked improvement in prospects for potatoes, buckwheat and tobacco, but a lowered corn production in many areas. Throughout the growing season, crops were late and harvesting at the end of the month was being rushed before damage by frost became general. Soil moisture facilitated plowing, seeding and germination of winter grains. The early peach crop throughout Adams County suffered heavily by the heavy rains at the first of the month.

TEMPERATURE.

The mean temperature for the State, as deduced from the

reports of 88 stations, was 61.1° , which is 2.8° below the 53-year normal for September. The highest monthly mean was 67.8° at Marcus Hook, Delaware County, and the lowest, 55.6° at Kane, McKean County. Extremes ranged from a maximum of 95° at Marcus Hook, Delaware County, on the 20th, to a minimum of 21° at Kane, McKean County, on the 26th. The greatest daily range in temperature was 50° at Coudersport, Potter County, on the 28th.

PRECIPITATION.

The average precipitation for the State, as computed from the observations at 179 stations, was 3.41 inches, which is an excess of 0.02 inch as compared with the 53-year normal for September. The greatest monthly amount was 6.97 inches at Pottsville, Schuylkill County, while the least, 1.27 inches, was recorded at Hollidaysburg, Blair County, a recording gage station. The greatest amount recorded in any 24 consecutive hours was 4.80 inches at Lancaster, Lancaster County, on the 24-25th.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	59.6	84	29	4.84	.....	10	8	11	.....
1889.....	61.9	92	30	5.05	.....	13	8	8	14
1890.....	62.2	91	25	4.57	.....	11	10	9	11
1891.....	66.6	94	32	2.39	.....	7	17	8	5
1892.....	62.4	90	29	2.81	.....	7	16	7	7
1893.....	61.2	90	26	2.67	.....	8	9	12	9
1894.....	66.6	95	24	6.30	.....	10	10	10	10
1895.....	67.8	100	24	1.71	.....	6	16	9	5
1896.....	63.6	98	26	4.82	.....	10	13	8	9
1897.....	63.8	100	24	2.18	.....	5	18	7	5
1898.....	66.0	100	25	1.70	.....	6	16	8	6
1899.....	61.8	93	23	4.70	.....	10	12	9	9
1900.....	68.4	100	27	1.77	.....	6	13	10	7
1901.....	63.6	95	29	3.39	.....	9	14	7	9
1902.....	62.7	99	28	4.66	.....	11	12	8	10
1903.....	63.2	94	27	2.09	.....	6	17	8	5
1904.....	63.7	95	21	3.37	.....	9	13	10	7
1905.....	64.0	95	27	3.41	.....	7	15	9	6
1906.....	67.0	99	30	2.46	.....	7	15	9	6
1907.....	64.8	95	29	6.37	.....	14	8	10	12
1908.....	65.6	99	26	1.60	.....	3	17	9	4
1909.....	62.8	96	26	2.27	.....	6	15	9	6
1910.....	65.5	95	32	4.49	.....	10	13	8	9
1911.....	64.9	92	26	5.29	.....	10	13	9	8
1912.....	65.5	95	25	5.57	.....	12	12	7	11
1913.....	62.4	97	24	3.28	.....	8	13	7	10
1914.....	61.5	98	21	0.99	.....	5	18	7	5
1915.....	66.5	96	25	2.56	.....	8	16	9	5
1916.....	62.5	98	23	3.77	.....	8	17	8	5
1917.....	59.0	91	25	2.31	.....	6	16	9	5
1918.....	58.7	88	28	3.97	.....	10	12	8	10
1919.....	64.4	96	28	2.07	.....	8	16	8	6
1920.....	64.5	91	24	3.99	.....	9	16	8	6
1921.....	68.9	98	31	4.68	.....	11	13	9	8
1922.....	66.3	100	22	1.48	.....	4	19	7	4
1923.....	64.8	92	22	3.55	.....	10	13	10	7
1924.....	59.8	99	26	6.44	.....	11	11	7	12
1925.....	67.5	99	24	2.80	.....	8	11	12	7
1926.....	64.2	99	26	5.81	.....	12	11	7	12
1927.....	64.9	97	27	2.08	.....	6	18	7	5
1928.....	60.4	94	25	2.33	.....	9	12	9	9
1929.....	65.7	101	24	3.71	.....	9	14	8	8
1930.....	67.8	101	27	2.45	.....	9	15	10	5
1931.....	69.1	104	29	3.15	.....	9	16	8	6
1932.....	65.2	105	23	1.45	.....	6	16	9	5
1933.....	66.3	98	32	4.66	.....	12	13	8	9
1934.....	66.4	94	31	6.58	.....	12	12	8	10
1935.....	62.2	95	24	3.51	.....	8	15	7	8
1936.....	66.5	96	28	2.17	.....	8	14	7	9
1937.....	61.5	97	25	1.90	.....	7	17	7	6
1938.....	62.0	95	26	4.74	.....	12	11	8	11
1939.....	65.9	101	27	2.95	.....	9	14	8	8
1940.....	61.4	95	21	3.41	.....	7	15	8	7
Period	64.2	105	21	3.39	.....	9	14	9	7

Climatological Data for September, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy		Cloudy	Prevailing direction of wind	
Atlantic Drainage.	Allentown.....	Lehigh.....	260	28	62.6	-2.4	87	21	34	27	37	4.01	+0.67	2.24	0	6	18	10	2	s.	John A. Frick.
	Altoona.....	Blair.....	1,615	53	60.4	-2.7	89	20	30	26	34	2.28	-0.67	0.96	0	9	22	7	1	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	330	20	63.6	-3.1	88	21	32	27	32	3.20	-0.37	1.62	0	6	16	7	7	.....	H. L. Balderston.
	Arendtsville.....	Adams.....	710	18	63.2	-2.6	90	21	32	26†	38	4.30	+0.64	1.87	0	6	21	7	2	sw.	Penn. State Expt. Station.
	Bedford.....	Bedford.....	1,100	8	61.1	.....	88	20†	31	27	37	2.38	.....	0.75	0	6	21	2	7	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	450	54	65.2	-1.7	90	21	34	27	36	3.41	+0.17	2.48	0	4	20	3	7	w.	Lehigh University.
	Bloomsburg.....	Columbia.....	560	14	64.2	.....	85	21	31	27	37	2.58	.....	1.15	0	8	19	10	1	.....	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	473	71	63.9	-1.6	91	21	31	27	38	4.16	+1.44	1.68	0	7	19	6	5	nw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	600	43	64.2	-2.1	92	21	34	27	37	2.16	-0.81	1.27	0	7	14	13	3	sw.	William B. Spear.
	Clearfield.....	Clearfield.....	1,260	39	58.9	-4.9	89	21	27	26	41	4.36	+1.05	2.15	0	8	13	5	12	w.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	431	53	60.3	-5.8	87	21	32	27	35	3.98	+0.58	3.00	0	5	15	6	9	nw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	630	28	60.0	-3.9	86	21	31	27	33	3.14	-0.13	2.42	0	6	21	2	7	n.	Wm. A. Rorer.
	Emporium.....	Cameron.....	1,050	55	58.9	-2.6	87	20	29*	26	42*	4.35	+0.87	1.36	0	8	13	2	15	w.	E. M. Poorman.
	Epforata.....	Lancaster.....	365	43	64.4	-1.8	91	21	34	27	38	4.58	+1.21	3.42	0	5	18	3	9	n.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,900	47	59.6	-0.5	83	20	31	26	27	5.83	+1.98	2.62	0	7	6	2	22	w.	Andrew B. Evansha.
	George School.....	Bucks.....	160	34	64.0	-2.3	90	21	35	27	37	3.86	+0.40	2.01	0	5	22	4	4	nw.	Prof. N. W. Swayne.
	Gottysburg.....	Adams.....	553	67	64.5	-1.4	91	21	34	27	35	4.08	+0.49	3.03	0	6	23	4	3	e.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	900	36	58.4	-4.0	86	21	28	27	39	2.68	-1.35	1.07	0	8	20	3	7	w.	Miss Sallie M. Johnson.
	Gouldsboro.†.....	Wayne.....	1,890	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Steward W. Ellenberger.
	Hanover.....	York.....	600	36	64.2	-3.5	88	21†	36	27	30	5.33	+2.29	4.27	0	6	23	2	5	s.	Thomas Y. Cooper.
	Harrisburg.....	Dauphin.....	337	71	64.0	-1.8	90	21	36	27	35	3.46	+0.41	1.66	0	8	13	12	5	w.	U. S. Weather Bureau.
	Hawley.....	Wayne.....	900	22	57.6	-3.4	86	21	27	27	42	4.33	+1.12	0.95	0	8	19	9	2	w.	Mrs. Della M. Pennell.
	Holtwood.....	Lancaster.....	200	25	65.8	-3.6	89	21	41	27	28	4.87	+2.11	3.50	0	7	16	8	6	nw.	H. W. Lowy, C. E.
	Huntingdon.....	Huntingdon.....	700	53	61.5	-3.1	90	20†	29	26	38	2.97	-0.12	1.20	0	7	14	7	9	w.	Prof. Paul R. Yoder.
	Kyertown.....	Clearfield.....	1,700	11	57.9	-3.5	85	20	29	27	35	4.13	+1.59	2.55	0	7	.....	.....	.....	.....	U. S. Weather Bureau.
Lancaster.....	Lancaster.....	280	53	63.2	-2.3	92	21	32	27	38	6.08	+2.71	4.80	0	7	24	4	2	nw.	Supt. of Water Works	
Lawrenceville.....	Tioga.....	1,000	43	58.8	-2.9	88	20	27	26	45	3.03	+0.02	1.25	0	8	12	9	9	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	469	56	62.9	-2.8	92	21	33	27	37	6.75	+3.34	3.70	0	7	21	7	2	sw.	Lebanon Valley Gas	
Lewistown.....	Mifflin.....	480	2	64.4	.....	91	16	35	27	34	2.41	.....	0.70	0	6	10	8	12	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	554	50	62.0	-2.9	89	21	32	26	34	3.15	+0.07	1.08	0	9	9	17	4	sw.	Joseph Beaver.	
Marcus Hook.....	Delaware.....	50	14	67.8	-2.8	95	20	41	25†	31	2.64	-0.76	1.15	0	3	23	1	6	nw.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,656	35	58.6	-1.9	81	20†	32	26†	30	3.08	-0.68	1.03	0	10	5	20	5	nw.	Philip F. Chamberlain.	
Mt. Pocono.....	Monroe.....	1,740	34	55.8	-2.5	85	21	25	27	34	5.25	+0.81	2.26	0	6	9	10	11	nw.	Cecil J. Huskinson.	
Muncy Valley.....	Sullivan.....	864	28	58.2	-3.1	84	2	27	27	38	3.55	-0.01	1.36	0	6	19	8	3	nw.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	80	51	63.2	-2.2	83	20	32	27	39	4.25	+0.77	2.29	0	4	23	0	7	w.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	2	59.4	.....	88	22	28	27	40	3.33	.....	1.16	0	7	13	11	6	w.	J. Earl Seaffer.	
Palmerton.....	Carbon.....	420	22	63.2	-0.7	92*	21	29	27	42*	2.22	-1.07	1.19	0	6	13	8	9	ne.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	69	67.4	-0.6	90	21	44	26	28	4.58	+1.44	3.19	0	6	16	7	7	n.	U. S. Weather Bureau	
Phila. Navy Yard.....	Philadelphia.....	20	24	67.4	-1.0	92	21	41	26†	28	5.95	+2.81	4.10	0	5	16	7	7	w.	Navy Aerological Office	
Phoenixville.....	Chester.....	100	30	63.2	-3.8	92	21	32	27	37	4.01	+0.74	3.46	0	5	19	7	4	w.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	430	2	61.2	-4.1	86	21	30	27	39	4.87	+0.32	1.76	0	6	20	3	7	n.	E. E. Barick.	
Quakertown.....	Bucks.....	480	55	60.2	-3.7	82	20	30	27	37	3.74	-0.15	3.02	0	5	18	6	6	nw.	John E. Benner.	
Reading.....	Berks.....	273	70	64.4	-2.2	90	21	37	27	32	3.66	+0.45	3.04	0	5	15	7	8	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	46	60.6	-2.3	86	21	33	27	35	2.72	-0.45	0.84	0	7	9	13	8	n.	U. S. Weather Bureau	
Selinsgrove.....	Snyder.....	420	50	62.0	-2.9	88	21	33*	26	31*	2.28	-1.03	1.11	0	8	13	11	6	w.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	44	64.8	-3.4	89	21	37	26†	30	3.42	+0.26	2.00	0	6	8	13	9	nw.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	7	63.4	.....	90	21	34	27	33	3.02	.....	1.53	0	7	16	10	4	w.	State Teachers College	
State College.....	Centre.....	1,217	56	59.9	-2.8	88	20	32	27	36	3.69	+0.79	1.87	0	8	5	13	12	nw.	Dr. H. Landsberg.	
Towanda.....	Bradford.....	754	46	60.4	-1.9	87	20†	28	27	40	3.90	+0.71	1.18	0	11	14	9	7	nw.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,319	70	57.6	-2.3	83	21	28	27	40	2.38	-0.57	0.91	0	8	18	6	6	ne.	George W. Hill.	
West Chester.....	Chester.....	140	91	63.8	-1.8	88	21	34	27	33	3.68	+0.16	3.10	0	6	17	9	4	n.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	2	60.4	.....	87	21	32	27	38	2.09	-1.38	0.92	0	8	6	16	8	.....	U. S. Airways Station.	
Williamsport.....	Lycoming.....	542	54	61.4	-3.0	87	21	32	27	35	2.85	-0.19	1.08	0	9	12	8	10	w.	Mrs. Veronica A. Keller.	
Williamstown.....	Dauphin.....	1,275	25	62.4	-2.3	86	22	35	26	29	3.49	-0.60	1.25	0	7	16	7	7	sw.	Susquehanna Collieries Co.	
York.....	York.....	400	52	62.1	-4.2	88	21	33	27	34	6.36	+3.33	4.07	0	6	19	6	5	w.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Frank S. Fawcett.
	Butler.....	Butler.....	1,077	27	59.6	-4.6	89	21	29	27	42	3.44	-0.02	1.60	0	7	17	5	8	w.	William C. Faust.
	Chambersville.....	Indiana.....	1,061	39	61.2	-3.3	90	21	28	26	38	2.62	-1.03	1.16	0	8	18	4	8	sw.	John E. Lewis.
	Claysville.....	Washington.....	1,150	35	60.0	-7.9	89	21	27	26	40	2.24	-1.00	1.23	0	5	18	6	6	s.	J. L. Melvin.
	Corry.....	Erie.....	1,430	27	59.0	-2.0	88	20	30	26†	41	2.78	-0.58	0.90	0	9	21	8	1	w.	Pennsylvania Electric Co.
	Coudersport.....	Potter.....	1,665	13	56.9	-3.4	87	20	23	27	50	4.37	+1.30	1.46	0	13	11	11	8	nw.	Philip R. Shaw.
	Derry.....	Westmoreland.....	1,172	43	61.6	-3.9	87	21	30	27	41	2.38	-0.76	0.90	0	5	14	8	8	w.	N. Dixie Wineman.
	Donora.....	Washington.....	1,762	14	64.1	-4.2	92	20	35	26	32	2.39	-0.27	1.16	0	5	7	8	15	nw.	Am. Steel & Wire Co.
	Ebensburg.....	Cambria.....	2,160	23	56.6	-4.7	84	21	24	26											

Day of month

Continued on page 52.

Day of month

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First-order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ^{**} Precipitation for period, 1:30 a. m. to 1:30 a. m. [†] Precipitation measured with recording gage, midnight to midnight. ^{*} Included in next measurement. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. † Daily amounts inconsistent. Post Office addresses are as follows: of Bloersville, Newville: of Acmetonia, Barking; of Pennline, Linesville; of Unty Reservoir, Greensburg; of Girardville, Shenandoah; of Lock No. 5, Schenley. § Airway Station. ‡ River Station. ||| Formerly Dahoga and Kane (near).

Daily Temperatures for September, 1940

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum... 78	75	77	78	79	75	74	70	77	69	59	67	70	69	71	76	77	81	89	88	76	76	74	67	63	63	70	65	...	72.6		
	Minimum... 57	52	53	52	53	43	46	51	62	67	40	39	49	43	51	50	45	41	50	55	64	57	49	53	54	44	37	31	36	40	44	48.1
Bedford	Maximum... 81	78	78	79	80	78	75	77	78	75	72	62	69	72	72	69	73	78	81	88	88	77	79	79	71	66	63	68	72	66	...	74.3
	Minimum... 59	52	52	51	54	48	42	55	59	60	39	35	48	42	49	51	46	45	52	55	58	58	49	51	46	38	34	33	35	41	...	47.9
Bethlehem	Maximum... 77	83	82	81	82	80	76	74	77	76	72	68	70	76	74	77	79	81	89	90	81	80	79	77	69	66	71	74	74	...	77.2	
	Minimum... 68	65	60	60	60	51	50	51	60	59	50	44	51	46	54	53	54	62	61	61	67	65	62	60	46	38	34	38	42	...	53.1	
Bloomsburg	Maximum... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brookville	Maximum... 59	51	50	47	47	39	43	51	53	58	38	41	45	41	45	47	41	38	46	46	52	49	46	40	40	29	27	28	31	36	...	43.8
	Minimum... 48	55	78	82	84	81	73	72	79	71	67	60	68	74	75	71	76	80	83	88	89	87	85	77	66	68	60	77	76	74	...	74.1
Butler	Maximum... 42	44	55	49	51	49	46	49	49	57	40	39	43	40	48	49	44	45	45	53	56	50	45	59	46	30	29	35	37	33	...	45.0
	Minimum... 86	80	81	82	84	77	72	66	82	78	70	67	72	75	73	70	77	79	82	87	91	80	81	78	70	63	69	72	73	66	...	76.1
Carlisle	Maximum... 67	61	57	57	57	48	50	58	60	62	46	40	49	45	52	56	48	46	60	60	65	62	59	60	48	37	31	35	38	45	...	51.7
	Minimum... 86	83	83	83	85	79	76	73	86	74	68	68	74	74	75	80	81	84	89	92	86	83	77	70	61	66	69	75	68	...	77.4	
Chambersburg	Maximum... 85	57	55	54	56	49	48	57	62	64	41	40	52	41	54	56	47	46	51	58	61	61	49	60	48	35	34	38	50	...	51.1	
	Minimum... 78	76	78	80	79	76	72	79	77	74	63	62	69	73	76	70	74	80	83	88	90	78	79	76	69	60	65	72	70	70	...	71.5
Chambersville	Maximum... 60	50	51	48	51	46	41	56	61	58	39	32	50	45	51	47	46	41	59	54	60	57	49	51	45	28	29	34	35	44	...	47.9
	Minimum... 76	75	77	78	79	75	76	76	78	73	61	63	66	74	73	70	75	80	83	87	89	83	79	76	70	56	65	72	68	66	...	73.0
Claysville	Maximum... 55	57	49	47	51	48	43	60	54	56	38	40	40	41	54	45	44	43	48	53	58	50	45	53	41	27	29	32	34	41	...	46.0
	Minimum... 76	73	75	77	77	74	77	77	77	74	61	62	66	65	70	66	69	75	74	75	88	89	76	73	66	53	65	72	72	69	...	71.7
Clearfield	Maximum... 60	50	50	47	53	41	43	52	59	58	36	37	49	43	49	51	41	43	48	54	57	54	49	49	48	27	28	31	33	38	...	46.1
	Minimum... 73	81	80	82	80	75	68	72	80	75	63	60	55	60	60	54	60	66	68	69	87	78	75	75	69	55	65	70	72	62	...	69.8
Coatesville	Maximum... 64	60	57	57	59	52	50	54	60	59	48	42	46	42	48	53	50	50	49	58	64	61	50	56	44	35	32	35	40	50	...	59.8
	Minimum... 82	74	78	81	81	78	80	80	75	63	56	56	65	70	74	69	75	79	74	88	75	77	79	67	61	60	70	72	73	70	...	72.5
Corry	Maximum... 56	47	47	50	41	52	50	45	53	46	46	49	50	46	50	46	47	40	48	53	52	55	48	53	44	31	30	30	31	37	...	45.5
	Minimum... 79	74	70	78	77	74	71	78	73	64	58	58	62	69	62	66	75	78	70	87	82	75	78	72	66	60	67	74	72	70	...	71.2
Coudersport	Maximum... 51	50	50	51	48	33	44	47	57	47	36	37	47	41	48	47	37	39	43	50	51	52	45	48	40	25	23	24	28	38	...	42.6
	Minimum... 79	76	79	79	83	78	73	80	78	69	65	66	68	75	79	67	75	82	84	92	90	78	80	71	66	56	66	72	72	70	...	74.9
Donora	Maximum... 62	60	57	55	57	59	53	64	65	48	45	50	51	48	59	53	51	51	58	64	67	58	53	60	42	35	38	40	42	53	...	56.5
	Minimum... 75	71	72	75	77	69	71	73	72	67	57	59	68	69	68	65	83	72	79	75	81	72	74	66	55	63	71	68	61	63	...	69.8
Ebensburg	Maximum... 66	46	48	42	46	40	40	53	59	44	37	39	46	49	49	44	52	43	46	39	55	64	44	38	28	24	29	31	40	42	...	43.4
	Minimum... 78	78	78	81	79	79	74	76	76	74	62	59	65	70	61	67	75	77	72	87	85	75	78	76	76	59	67	70	73	71	...	73.4
Emporium	Maximum... 68	57	43	40	37	39	44	39	46	51	41	34	43	40	41	46	46	46	50	58	65	58	...	...	...	...	...	...	...	...	...	...
	Minimum... 88	81	82	85	81	79	72	72	83	76	70	66	71	79	75	73	80	84	84	88	91	81	83	81	75	63	69	72	77	63	...	77.6
Ephrata	Maximum... 68	60	56	55	57	49	50	54	54	62	47	41	44	47	51	56	47	47	50	58	60	62	50	62	49	38	34	37	39	51	...	51.2
	Minimum... 70	70	70	76	75	72	70	74	70	67	56	58	64	71	67	66	72	77	70	80	76	71	72	71	53	54	62	66	66	61	...	68.2
Erie	Maximum... 62	60	61	61	61	56	58	63	65	55	49	50	54	54	56	56	52	57	60	67	63	59	57	50	47	40	42	45	49	49	...	55.3
	Minimum... 75	73	76	80	80	75	67	79	77	64	59	57	67	71	72	70	76	79	73	88	85	76	78	78	56	59	62	67	71	74	...	72.4
Franklin	Maximum... 60	52	52	50	50	49	48	49	50	58	43	44	49	43	44	52	49	44	44	50	56	53	48	48	46	32	32	32	34	39	...	47.0
	Minimum... 77	75	74	75	75	73	66	60	70	68	62	60	65	66	64	67	71	76	76	83	82	74	73	72	66	55	61	68	69	65	...	69.6
Freeland	Maximum... 63	57	54	55	55	46	46	50	55	56	41	41	47	46	50	50	48	52	55	59	62	57	51	55	47	31	34	43	45	46	...	49.7
	Minimum... 82	81	82	83	82	76	73	73	78	74	71	71	71	75	75	74	78	81	80	85	90	82	80	79	77	61	67	73	75	66	...	76.5
George School	Maximum... 64	64	58	57	57	51	49	49	60	58	51	42	46	44	52	52	48	50	50	60	64	62	50	59	48	36	35	36	41	51	...	51.5
	Minimum... 82	82	82	83	79	75	71	82	77	72	67	72	73	73	73	71	81	81	82	87	91	85	80	75	72	60	65	70	75	67	...	76.5
Gettysburg	Maximum... 65	58	57	57	58	58	50	55	60	63	45	43	48	46	53	58	49	47	51	59	72	60	60	48	36	34	36	40	49	...	52.5	
	Minimum... 80	76	76	76	75	71	65	65	73	71	64	62	65	70	68	67	72	77	81	86	75	75	75	70	56	63	69	70	65	...	71.2	
Gordon	Maximum... 66	52	50	47	49	41	41	47	57	56	39	34	41	41	53	52	39	42	45	51	55	58	43	58	46	32	28	30	32	42	...	45.5
	Minimum... 81	77	77	80	80	76	70	78	77	72	61	62	71	76	77	71	74	83	83	87	89	79	81	74	70	60	70	76	70	...	75.0	
Greensburg	Maximum... 59	57	54	50	54	53	48	60	62	57	44	46	47	46	58	52	46	50	52	59	73	57	49	56	45	32	32	38	38	47	...	50.7
	Minimum... 78	75	80	82	85	80	77	80	79	71	59	59	71	76	73	73	81	82	75	92	89	81	79	75	66	63	69	72	75	...	75.6	
Greenville	Maximum... 58	52	52	47	52	50	46	61	59	54	40	49	49	43	50	48	45	43	50	55	55	54	46	55	45	35	31	34	39	42	...	48.0
	Minimum... 82	80	78	80	80	78	76	74	72	58	58	66	72	70	68</																	

Daily Temperatures for September, 1940—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Port Clinton.....	Maximum...	81	81	78	79	78	76	73	67	76	75	72	65	68	72	70	70	75	78	79	84	86	77	77	77	76	57	63	68	74	72	....	74.1	
	Minimum...	66	59	54	52	56	44	44	50	58	57	43	38	48	44	50	54	45	45	47	57	57	62	48	55	46	34	30	33	35	41	....	48.4	
Quakertown.....	Maximum...	76	80	77	78	77	79	69	70	76	72	69	66	67	72	72	69	74	77	78	82	87	79	77	79	79	73	56	60	69	71	66		73.2
	Minimum...	57	60	54	52	52	45	43	47	58	55	47	38	44	40	45	50	43	44	46	54	56	62	44	57	47	36	30	32	36	45	....	47.3	
Reading*.....	Maximum...	83	81	81	82	82	76	70	66	80	75	67	66	70	73	73	70	78	80	80	86	90	80	79	78	69	60	65	71	75	61	....	74.9	
	Minimum...	68	63	61	60	59	52	54	58	61	59	51	46	50	46	51	57	52	52	51	62	66	62	53	63	45	42	37	40	43	53	....	54.0	
Retreat.....	Maximum...	80	77	76	79	75	72	63	65	73	72	67	66	71	72	70	67	72	76	74	80	84	75	74	75	68	56	51	68	68	65	....	71.1	
	Minimum...	65	57	55	55	54	47	46	49	58	56	43	41	45	44	45	54	45	46	47	60	62	49	52	43	33	31	33	33	43	....	48.4		
Ridgway†.....	Maximum...	74	77	73	75	78	78	73	74	74	73	66	59	59	64	70	67	67	74	79	74	87	85	73	77	71	51	59	67	70	71	....	71.5	
	Minimum...	57	52	52	46	49	39	40	50	55	56	37	40	42	42	49	47	44	42	42	47	52	47	49	47	43	27	27	27	29	33	....	43.6	
Scranton*.....	Maximum...	82	78	75	78	75	72	69	70	71	69	63	62	66	73	70	69	74	78	76	83	86	74	76	77	68	54	63	71	71	66	....	72.0	
	Minimum...	66	60	57	55	53	47	46	41	58	53	46	40	50	45	55	51	45	49	50	56	60	57	49	56	42	38	33	36	39	46	....	49.3	
Selinsgrove.....	Maximum...	70	71	74	79	80	75	68	67	77	73	68	63	67	72	71	67	76	77	76	82	88	84	81	75	70	60	64	68	72	72	....	72.9	
	Minimum...	52	53	51	59	57	45	49	52	60	61	41	41	50	47	51	55	40	49	50	59	59	57	50	64	49	33	33	....	....	51.0*			
Somerset.....	Maximum...	72	70	73	74	75	71	67	72	72	68	60	56	65	70	70	67	71	75	81	83	82	76	75	69	67	55	63	66	66	64	....	69.8	
	Minimum...	55	48	49	44	44	44	38	55	57	54	36	35	42	44	46	40	38	38	40	48	59	54	39	49	42	25	21	26	28	37	....	42.3	
Springs.....	Maximum...	72	69	72	74	74	70	68	70	70	63	55	55	62	67	69	63	69	73	74	81	81	71	74	72	67	53	59	63	68	64	....	68.2	
	Minimum...	53	46	44	41	48	46	42	52	57	50	34	35	44	37	43	45	38	42	46	51	56	54	44	53	40	32	27	32	34	41	....	43.6	
State College.....	Maximum...	80	78	76	78	78	74	71	70	74	67	61	60	68	69	68	69	74	77	79	88	86	76	77	72	52	57	64	68	68	64	....	71.4	
	Minimum...	57	54	54	53	54	45	48	51	53	62	42	42	45	45	50	56	44	46	48	52	58	59	53	55	49	33	32	35	38	40	....	48.4	
Stroudsburg†.....	Maximum...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	
	Minimum...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	
Towanda.....	Maximum...	83	80	77	80	76	74	71	72	70	72	63	63	69	74	66	71	76	79	69	87	87	76	78	73	69	58	68	73	73	69	....	73.2	
	Minimum...	63	56	53	49	53	43	45	45	57	55	38	37	50	44	53	53	42	45	48	57	56	60	47	54	43	33	28	33	38	44	....	47.5	
Uniontown.....	Maximum...	79	74	77	78	79	75	71	74	77	71	63	62	70	75	77	69	72	81	81	85	89	81	81	73	71	57	66	69	70	66	....	73.8	
	Minimum...	61	57	53	53	55	54	48	62	64	58	47	46	46	44	57	55	46	50	52	59	62	60	49	57	47	33	34	37	39	49	....	51.1	
Vandergrift*.....	Maximum...	78	69	76	76	82	76	74	78	76	69	74	70	70	77	69	70	75	84	80	90	84	80	82	74	63	62	69	75	72	70	....	74.8	
	Minimum...	49	59	55	52	56	54	45	59	49	47	42	47	49	45	50	48	51	47	52	56	57	57	52	53	43	32	34	36	38	45	....	48.6	
Warren.....	Maximum...	78	74	77	80	79	73	73	75	78	65	58	55	63	71	74	66	75	80	78	76	87	76	81	70	66	60	69	73	70	69	....	72.3	
	Minimum...	58	52	54	50	52	43	47	55	60	49	45	47	50	47	54	53	48	44	52	56	50	52	52	53	42	31	30	34	37	42	....	48.0	
Waynesburg.....	Maximum...	77	75	79	81	83	78	76	75	73	71	65	64	63	75	77	68	77	82	84	89	83	80	73	72	59	68	75	70	70	....	75.1		
	Minimum...	60	57	53	51	51	51	45	60	61	58	43	46	43	40	51	50	46	46	49	50	60	53	48	56	41	30	31	32	36	46	....	48.5	
Wellsboro.....	Maximum...	79	73	74	75	71	69	63	65	69	68	50	59	63	69	61	66	70	76	68	73	83	78	75	74	67	55	65	70	69	64	....	68.5	
	Minimum...	62	53	55	49	52	37	46	52	57	53	38	37	50	45	51	53	42	45	48	55	55	57	47	50	43	30	28	30	35	43	....	46.6	
West Chester.....	Maximum...	75	82	81	81	80	76	70	72	77	76	70	69	69	76	75	71	76	80	80	87	88	79	80	78	73	58	66	72	73	61	....	75.0	
	Minimum...	66	61	58	58	59	52	51	54	61	61	52	41	45	47	53	53	50	52	53	60	64	63	53	59	48	35	34	39	41	52	....	52.6	
Wilkes-Barre†.....	Maximum...	84	78	77	79	76	74	72	68	73	71	65	64	69	73	71	72	76	79	76	84	87	76	78	78	68	58	65	72	74	67	....	73.5	
	Minimum...	62	56	53	52	50	45	45	43	58	49	42	40	46	44	52	47	44	47	47	58	59	52	48	52	41	33	32	34	39	45	....	47.2	
Williamsport.....	Maximum...	83	78	76	80	76	75	68	64	75	72	64	62	67	72	68	67	75	78	74	84	87	76	78	73	68	59	65	70	72	69	....	72.5	
	Minimum...	65	57	56	55	54	45	50	52	59	60	41	42	49	47	57	56	48	48	50	59	60	60	50	53	48	36	32	35	39	43	....	50.2	
Williamstown.....	Maximum...	82	82	78	79	79	76	68	70	75	73	68	60	65	68	72	67	73	81	80	83	82	86	80	74	72	57	62	67	71	74	....	73.5	
	Minimum...	64	59	56	55	56	50	50	50	56	50	43	44	46	51	52	50	48	52	57	59	67	59	52	58	43	35	36	43	46	48	....	51.2	
York.....	Maximum...	81	81	78	79	80	77	73	69	79	73	71	65	69	74	72	74	79	80	84	88	77	78	76	73	58	64	68	72	68	....	74.5		
	Minimum...	68	57	54	54	55	48	48	50	56	61	45	40	43	46	49	55	46	46	51	58	62	58	48	60	49	34	35	36	38	44	....	49.7	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. † 1:30 a. m. to 1:30 a. m. *, †, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Erie.....	30.12	30.45	30	29.50	9	6.6	16	e.	15	88	70	86	89
Harrisburg.....	30.06	30.36	28	29.52	10	5.8	28	n.	21	86	52	73	73
Philadelphia.....	30.05	30.35	28	29.53	10	10.5	41		25	83	52	71	67
Pittsburgh.....	30.09	30.37	30	29.53	10	7.9	34	sw.	24	88	49	61	58
Reading.....	30.06	30.38	27	29.53	10	7.7	38	n.	21	81	47	63	7
Seranton.....	30.06	30.40	27	29.50	10	5.2	28	nw.	21	87		63	56

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER
HARRISBURG, PA.

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No. 10.

GENERAL SUMMARY.

The month was cooler than usual, averaging 2.5° below the normal. It was the ninth lowest October of record. No great extremes of temperature occurred, although record low temperatures were recorded from the 19th to 22d, inclusive. All stations recorded monthly deficiencies, the greatest being 4.9° at Port Clinton, Berks County. Sectional averages were: — Erie, 50°; Plateau, 48°; Southwest, 53°; Mountains, 49°; and the Southeast, 51°. The deficiency since January 1st totals 739°, or an average daily deficiency of 2.4°. Temperatures on the first 15 days of the month were generally above normal. During the remainder of the month, most of the State experienced a definite reaction to subnormal temperatures. Heavy to killing frosts were experienced in the Lake Erie section during the 19th and 20th, resulting in considerable damage to grapes, staple crops having been harvested previously.

Precipitation for the month averaged more than one inch below the normal. Heaviest amounts fell over the extreme Northeast and South-Central Counties. Lack of moisture, during the first half of the month, resulted in a shortage of stock water, but the ground and wells were replenished by copious rains on the 29th and 30th. The snowfall of the 19th was general over the State, ranging from zero to a trace over northern counties, to over 4 inches in some southern counties. Many motor accidents occurring on this date were attributed to the snow. This storm was the earliest significant general October snowfall of record since 1925.

The snow of the 19th interrupted corn, potato, and buckwheat harvests, which were rapidly being completed, and in some localities left the ground too wet for fall seeding. Potatoes were mostly dug by the close of the month, and corn husking was well advanced in most sections. The apple and grape harvests progressed satisfactorily. Meadows continued in good condition, and cattle were still getting considerable feed from pastures at the close of the month. The season for tender vegetables was cut short by the low temperatures which occurred shortly after the middle of the month. Harvesting of root crops, — cabbage, celery, and spinach, — progressed slowly and was far from complete at the end of the month.

Widely scattered, mild thunderstorms occurred throughout the month. The only severe local storm reported, occurred at Altoona on Monday, October 7, when a heavy wind accompanied by rain passed over that locality.

TEMPERATURE.

The mean temperature for the State, as determined from the reports of 88 stations, was 50.0°, which is 2.5° below the 53-year normal for October. The highest monthly mean was 56.2° at Point Breeze, Philadelphia County, and the lowest, 43.8° at Mount Pocono, Monroe County. Extremes ranged from a maxi-

mum of 85° at Donora, Washington County, on the 14th, Sharon, Mercer County, on the 6th, and Vandergrift, Westmoreland County, on the 6th and 14th, to a minimum of 10° at Coudersport, Potter County, on the 20th. The greatest daily range in temperature was 52° at Huntingdon, Huntingdon County, on the 23d.

PRECIPITATION.

The average precipitation for the State, as determined from the observations at 171 stations, was 2.03 inches, which is a deficiency of 1.19 inches as compared with the 53-year normal for October. The greatest monthly amount was 4.09 inches at South Mountain, Franklin County, while the least, 0.74 inch, was recorded at State College, Centre County. The greatest amount recorded in any 24 consecutive hours was 1.72 inches at Retreat, Luzerne County, on the 7th.

The average snowfall for the State was 1.1 inches, which is 0.9 inch above the 53-year State normal. The greatest monthly snowfall was 4.5 inches at Springs, Somerset County, which is also the greatest fall for any 24 consecutive hours, occurring on the 19th.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	0.1 inch or more pree.	Clear	Partly cloudy	Cloudy
1888.....	46.3	74	19	4.02	T	16	9	6	16
1889.....	47.3	83	13	3.85	0.2	10	8	9	14
1890.....	50.9	81	21	5.87	0.3	15	6	8	17
1891.....	50.6	91	15	3.06	T.	8	11	9	11
1892.....	50.8	83	16	0.72	T.	6	13	11	7
1893.....	53.0	91	17	3.26	T.	8	14	8	9
1894.....	53.6	88	24	4.26	T.	9	12	8	11
1895.....	47.3	76	17	1.99	0.3	5	17	8	6
1896.....	48.9	86	18	3.19	T.	9	11	8	12
1897.....	54.2	95	16	1.82	T.	5	14	8	9
1898.....	53.8	92	20	5.20	T.	12	11	7	13
1899.....	54.6	94	15	1.55	0	6	13	8	10
1900.....	58.6	95	19	2.74	0	8	11	9	11
1901.....	52.2	83	20	1.23	T.	5	16	10	5
1902.....	53.1	89	19	4.64	0.1	9	12	9	10
1903.....	53.4	91	20	4.64	0.1	9	12	8	11
1904.....	50.6	91	12	2.87	T.	7	15	8	8
1905.....	53.2	90	16	4.23	T.	9	14	7	10
1906.....	52.0	87	14	4.46	1.1	14	7	7	17
1907.....	48.2	87	13	3.16	T.	7	16	8	7
1908.....	54.6	93	19	1.55	T.	6	16	7	16
1909.....	48.4	87	15	2.27	T.	7	13	7	11
1910.....	55.6	91	14	1.91	0.5	7	16	8	7
1911.....	52.3	83	18	4.83	T.	11	11	7	13
1912.....	54.2	90	23	2.74	T.	7	15	7	9
1913.....	54.9	88	16	5.44	0.2	13	10	6	15
1914.....	56.4	91	11	2.35	T.	9	11	9	11
1915.....	54.2	85	17	2.65	T.	8	15	7	9
1916.....	52.1	92	16	2.25	T.	6	18	7	6
1917.....	47.2	84	12	6.38	1.7	13	10	10	11
1918.....	55.5	85	19	3.17	0	10	15	8	8
1919.....	57.5	92	21	4.77	0	17	9	8	14
1920.....	57.5	88	22	1.67	T.	5	19	7	5
1921.....	52.6	84	18	2.16	0	8	17	7	7
1922.....	54.8	94	12	2.51	T.	7	18	6	7
1923.....	51.0	87	12	2.38	T.	8	15	8	8
1924.....	52.9	87	14	0.28	0	2	21	7	3
1925.....	46.1	83	9	4.63	3.8	15	6	8	17
1926.....	51.9	90	16	4.51	0.2	14	10	9	12
1927.....	55.6	99	21	6.40	0.1	9	17	5	9
1928.....	55.1	91	15	1.78	0.1	8	14	8	9
1929.....	50.6	85	14	5.59	T.	9	12	8	11
1930.....	50.8	93	9	0.99	0.2	6	15	7	9
1931.....	55.7	93	20	1.83	T.	9	15	8	8
1932.....	53.8	86	20	5.81	T.	11	10	7	14
1933.....	51.6	90	11	1.91	T.	8	16	9	6
1934.....	51.8	84	11	1.46	0.6	6	17	7	7
1935.....	53.0	89	16	2.77	T.	9	16	8	7
1936.....	54.0	87	11	3.69	T.	11	13	6	12
1937.....	50.6	89	12	5.84	0.1	14	8	8	15
1938.....	54.5	91	16	1.81	T.	6	18	6	7
1939.....	53.6	92	15	3.88	T.	11	13	7	11
1940.....	50.0	85	10	2.03	1.1	8	12	8	11
Period	52.5	99	9	3.22	0.2	9	13	8	10

Climatological Data for October, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days			Prevailing direction of wind	Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation on or more	Clear			Pt. cloudy	Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	260	28	49.2	-3.7	78	13	22	29	38	2.00	-1.55	0.82	0.5	9	13	3	14	s.	John A. Frick.
	Altoona.....	Blair.....	1,615	53	50.0	-2.1	81	6	20	22	47	1.96	-1.23	0.78	1.8	10	18	10	3	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	330	20	51.2	-3.8	80	13	24	22	38	2.77	-0.84	0.80	2.9	10	11	13	7		H. L. Balderston.
	Arendtsville.....	Adams.....	710	18	51.1	-2.9	79	13	24	22	41	3.88	+0.38	1.24	2.0	8	17	3	11	w.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,100	8	51.3		81	7	26	19	47	1.78		0.55	2.0	5	14	6	11	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	450	54	53.0	-2.8	80	13	25	22	32	1.91	-1.44	0.77	0.5	8	13	3	14	nw.	Lehigh University.
	Bloomsburg.....	Columbia.....	560	14			81	13	22	22	40	2.42	-0.97	0.78	2.0	9	18	3	10	nw.	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	473	71	51.4	-1.6	81	13	22	22	40	2.42	-0.97	0.78	2.0	9	18	3	10	nw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	600	43	51.7	-1.6	82	13	25	22	38	2.85	-0.22	0.86	2.8	8	11	9	11	ne.	William B. Spear.
	Clearfield.....	Clearfield.....	1,260	39	48.0	-4.3	84	7	16	22	46	1.39	-2.00	0.97	1.0	8	11	9	11	w.	Otto J. W. Eppers.
	Clearfield.....	Chester.....	431	53	49.8	-4.2	79	13	22	22	34	2.71	-0.65	0.96	1.0	6	12	8	11	ne.	Howard L. Pyle.
	Coatesville.....	Lebanon.....	630	28	48.4	-4.0	76	7	20	22	37	2.72	-0.80	0.82	2.1	7	18	1	12	s.	Wm. A. Rorer.
	Colebrook.....	Cameron.....	1,050	55	48.0	-2.1	77	23	15	22	50	1.03	-2.20	0.40	0	5	13	0	18	w.	E. M. Poorman.
	Emporium.....	Lancaster.....	365	43	51.2	-3.4	81	13	23	22	37	2.41	-0.69	0.94	1.2	9	14	7	10	d.	Ira J. Keath.
	Ephrata.....	Luzerne.....	1,900	47	46.6	-1.1	75	7	21	20	30	2.57	-1.72	0.98	T.	6	14	7	10	w.	Andrew B. Evansha.
	Freeland.....	Bucks.....	160	34	52.0	-3.3	81	13	22	22	34	2.47	-1.23	0.91	1.0	10	8	14	9	nw.	Prof. N. W. Swayne.
	George School.....	Adams.....	553	67	53.2	-0.2	81	13	26	22	34	3.07	-0.33	1.04	1.7	8	15	3	13	e.	Dr. Henry Stewart.
	Gettysburg.....	Schuylkill.....	900	36	46.8	-3.9	75	7	15	22	37	2.66	-1.66	1.27	2.0	7	18	2	11	ne.	Miss Sallie M. Johnson.
	Gordon.....	Wayne.....	1,890	25			79	13	27	20	31	3.09	+0.15	1.54	3.0	9	17	3	11	n.	Steward W. Eilenberger.
	Hanover.....	York.....	600	36	52.8	-3.4	79	13	25	22	35	2.63	-0.30	0.98	1.2	9	11	7	13	w.	Thomas Y. Cooper.
	Harrisburg.....	Dauphin.....	337	71	51.6	-3.2	81	13	25	22	35	2.63	-0.30	0.98	1.2	9	11	7	13	w.	U. S. Weather Bureau.
	Hawley.....	Wayne.....	900	22	45.6	-3.7	75	7	14	22	33	3.43	+0.07	1.42	T.	6	19	5	7	w.	Mrs. Della M. Pennell.
Holtwood.....	Lancaster.....	200	25	52.8	-3.6	79	13	30	22	28	2.35	-0.46	0.90	3.0	7	14	8	9	nw.	H. W. Lowy, C. E.	
Huntingdon.....	Huntingdon.....	700	53	49.2	-3.5	84	7	16	22	52	1.24	-1.83	0.75	2.2	6	9	13	9	ne.	Prof. Paul R. Yoder.	
Kivertown.....	Clearfield.....	1,700	11	46.3	-3.0	78	6	17	22	40	1.15	-1.45	0.89	1.0	8	6	12	13	sw.	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	280	53	50.2	-3.9	79	13	21	22	39	2.72	-0.37	1.06	2.4	8	19	4	8	nw.	Supt. of Water Works.	
Lawrenceville.....	Tioga.....	1,000	43	46.6	-3.9	80	7	22	29	50	1.25	-1.58	0.47	T.	8	12	12	7	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	469	56	49.4	-4.3	80	13	22	22	39	2.63	-0.76	0.91	1.2	9	19	7	5	sw.	Lebanon Valley Gas	
Leiwistown.....	Mifflin.....	480	2	51.8	.....	82	7	23	22	40	1.64	.....	0.87	T.	7	13	6	12	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	554	50	49.6	-3.9	81	7	20	22	35	1.71	-1.42	0.92	T.	9	11	13	7	ne.	Joseph Beaver.	
Marcus Hook.....	Delaware.....	50	14	55.6	-3.6	80	12	30	19	28	2.24	-0.20	0.80	1.7	7	11	13	7	sw.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,656	35	46.2	-2.9	73	7	18	22	34	2.71	-0.85	0.85	0	11	5	16	10	sw.	Philip F. Chamberlain.	
Mt. Pocono.....	Monroe.....	1,740	34	43.8	-4.3	76	13	19	19	41	1.10	-3.58	0.40	0.5	5	16	5	10	sw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	864	28	47.0	-0.3	74	6	15	22	37	3.17	-0.44	1.40	T.	7	17	8	6	nw.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	80	51	50.0	-3.8	80	13	21	22	39	2.65	-1.37	0.91	1.5	8	18	4	9	w.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	2	48.6	.....	80	13	18	22	40	1.67	.....	0.71	1.0	9	5	16	10	w.	J. Earl Scaffer.	
Palmerton.....	Carbon.....	420	22	49.2	-2.7	82	13	18	29	38	1.99	-1.40	0.94	T.	7	18	5	8	ne.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	69	54.3	-3.5	79	13	31	20	28	2.38	-0.43	0.77	2.2	9	11	13	7	n.	U. S. Weather Bureau.	
Phila. Navy Yard.....	Philadelphia.....	20	24	54.0	-3.4	79	13	32	19	29	2.51	-0.60	0.80	2.0	11	15	10	6	n.	Navy Aerological Office.	
Phoenixville.....	Chester.....	100	30	51.1	-3.8	82	13	21	29	37	2.82	-0.80	1.05	2.5	6	16	11	4	w.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	430	2	48.5	-4.9	79	13	18	22	42	2.81	-1.16	0.89	1.0	9	19	2	10	n.	E. E. Rarick.	
Quakertown.....	Bucks.....	480	55	48.6	-3.6	78	7	17	29	38	2.14	-1.78	0.85	1.0	8	15	8	nw.	John E. Bernier.		
Reading.....	Berks.....	273	70	51.5	-4.0	80	13	27	22	31	2.01	-1.11	0.72	1.0	10	11	7	13	n.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	46	48.2	-3.6	80	7	22	22	34	3.14	+0.11	1.31	T.	8	8	13	10	n.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	420	50	50.0	-2.9	79	13	21	22	40	2.52	-1.05	1.11	0.5	9	6	10	15	n.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	44	51.4	-4.5	78	13	24	22	39	2.21	-1.04	0.72	2.5	9	7	9	15	nw.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	7	51.6	.....	80	7	24	22	39	2.35	.....	0.69	2.0	8	10	8	13	sw.	State Teachers College.	
State College.....	Centre.....	1,217	56	48.2	-3.0	80	7	22	22	49	0.74	-2.28	0.49	0.5	5	7	12	12	ne.	Dr. H. Landsberg.	
Towanda.....	Bradford.....	754	46	47.1	-3.7	79	7	16	29	39	2.11	-0.80	0.73	T.	14	11	11	9	ne.	Mrs. M. Ordella Parks.	
Wellsville.....	Tioga.....	1,319	70	45.4	-3.5	78	7	15	29	41	0.87	-2.16	0.40	T.	9	12	12	7	w.	George W. Hill.	
West Chester.....	Chester.....	440	91	51.0	-3.6	82	12	23	22	32	2.59	-1.03	0.99	2.0	6	17	6	8	nw.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	2	47.2	.....	82	7	20	22	38	3.30	+0.20	1.20	T.	9	7	11	13	sw.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	542	54	48.4	-4.2	78	7	20	22	35	2.45	-0.77	1.07	0.5	9	19	3	9	w.	Mrs. Veronica A. Keller.	
Williamstown.....	Dauphin.....	1,275	25	50.3	-3.1	78	13	22	20	34	2.65	-1.06	0.97	0.5	8	11	10	10	sw.	Susquehanna Coaleries Co.	
York.....	York.....	400	52	50.7	-3.4	77	7	23	22	33	2.83	-0.21	1.22	T.	10	16	6	9	n.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	50			83	6	16	21		0.85	-2.42	0.49	0.1	6	5	2	24		Frank S. Fawcett.
	Butler.....	Butler.....	1,077	27	50.8	-2.1	83	6	20	22	46	1.31	-1.56	0.70	1.5	8	20	7	4	w.	William C. Faust.
	Chambersville.....	Indiana.....	1,061	39	50.4	-2.0	83	14	18	22	48	1.63	-1.88	0.73	2.0	10	15	3	13	n.	John E. Lewis.
	Claysville.....	Washington.....	1,150	35	52.2	-1.9	82	14	24	22	38	1.22	-2.03	0.49	0.6	7	16	6	9	s.	J. L. Melvin.
	Corry.....	Erie.....	1,430	27	47.3	-2.0	78	14	18	19	47	1.79	-2.27	0.45	0	14				w.	Pennsylvania Electric Co.
	Coudersport.....	Potter.....	1,665	13	44.2	-2.8	74	6	10	20	50	1.58	-1.62	0.51	T.	12	13	6	12	nw.	Philip R. Shaw.
	Derry.....	Westmoreland.....	1,172	43	51.7	-2.4	84	14	21	20	43	1.89	-1.35	1.05	1.5	9	13	8	10	w.	N. Dixie Wineman.
	Donora.....	Washington.....	762	14	55.0	-0.8	85	14	29	20	35	1.39	-1.36	0.74	T.	8	8	9	14	w	

Daily Precipitation for October, 1940

Stations	Drainage Basin	Day of month																															Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Atlantic Drainage																																			
Allentown ²	Lehigh		.08	.74					.12	.20							.01		.12	.17	.06	T.				.03				.69	.07	2.06			
Altoona	Juniata							.34	.04						.07		.14		.01	.01	.25	.03	T.			.03	.17		.18	.78		1.96			
Ansonia ²	W. Br. Susq.								.08											.04	.04	.25					.08			.40	.03	0.79			
Ardmore ²	Lower Del.	.01	.77					.60																					.20	.02	.01	.79	2.77		
Arendtsville ²	Lower Susq.		1.10	.46				1.24	T.											.27							.01		.01	.76	.03	3.88			
Baker's Summit	Juniata						.18	.08												.36						.13			.06	.67	T.	1.48			
Bald Eagle	Middle Susq.						.15	.03												.15						.11				.41	.26	1.11			
Bedford ²	Juniata							.17													.35							.15		.06	T.	1.28			
Bellefonte	W. Br. Susq.																																		
Berwindale	W. Br. Susq.							.05												.24	.06									.51	.31	1.11			
Bethlehem	Lehigh		.53	.25				.22	T.										.02		.06						.04				.77	.02	1.91		
Big Knob ²	Susquehanna		.05	.35				.42											.03		.22							.11			.68		1.86		
Bloomsburg	Susquehanna																																		
Blossville	Lower Susq.		.50	.15				.46												.18	.07	T.					.12				.86		2.34		
Buffalo Mills ²	Potomac			.09				.15												.33								.08			.06	.61	1.32		
Carlisle	Lower Susq.		.59	.06				.65								.02				.05	.21						.06			.03	.75		2.42		
Carter Camp	W. Br. Susq.						.23									.09										.05	.02	.22		.06	.32	.26	1.25		
Centre Hall	Susquehanna																																		
Chambersburg ²	Potomac		.27	.65				.80												T.		.24					.01		.02		.82	.04	2.85		
Clearfield ²	W. Br. Susq.						.08	.06											.05		.11							.03	T.		.97	.03	1.89		
Coatesville	Lower Del.		.88					.51												.26	T.						.05		.05	T.	.96		2.71		
Colebrook	Lower Susq.	.02	.78	.11				.78													.21	T.									.82		2.72		
Coushock	Schuylkill		.46	.19				.31	.04											.02	.28	T.					.03			.19		.92		2.44	
Covington ²	N. Br. Susq.						.05	.05												.20						.10	.05	.10			.60	.05	1.20		
Doylstown	Lower Del.		.53	.10				.50																			.04		.03	T.	.91		2.26		
Driftwood	W. Br. Susq.						.21													.12						.03	.19	.04	.04	.40	.17	1.20			
Du Bois	W. Br. Susq.						T.	.25								.15			.05	.05										.03	.48		1.03		
Emporium	W. Br. Susq.							.32								.12												.15		.04	.40		1.03		
English Center	W. Br. Susq.						.16									.06												.15	.01	.02		.37	.22	0.99	
Ephrata	Lower Susq.		.94	.03				.46												.02	.10					.02	.04		.03	T.	.77		2.41		
Fredericksville ²	Schuylkill		.20	.57				.12	.22												.12							.02		.06	.62	.22	2.15		
Freeland ²	Lehigh			.60				.98											.03	T.	T.	T.						.15			.75	.06	2.57		
Galeton	N. Br. Susq.						T.	.25								.18				.03						.02	.15		.05	.01	.03	.47	.04	1.23	
George School	Lower Del.	T.	.61	.13				.51	.03							.01					.17	T.					.06		.03	T.	.91	.01	2.47		
Gettysburg	Potomac	T.	1.04	.01				.98												.09	.15							.02		.02	.76		3.07		
Girardville ²	Lower Susq.			.82				1.05											.05									.15		.02	.78	.04	2.97		
Gordon	Lower Susq.		.52					1.27													.09						.04		.02	.02	.70		2.66		
Gouldsboro ²	Lehigh						T.	1.05	.27																						.37	.84	3.30		
Graterford	Schuylkill		.92	.27				.58												.09	.06								.16	.01			3.14		
Hanover	Lower Susq.		.15	.03				.39								.01			.01	.25	T.	T.								.02	T.	.82		3.09	
Harrisburg ²	Lower Susq.	.01	.98	.01			T.	.81	.10											.08	T.	T.					.05			T.	.11	.48		2.63	
Hawley ²	Upper Del.		T.	1.42				.69												.03								.11				.99	.19	3.43	
Hollisterville ²	Upper Del.			.99				.83								.07				.01												.137	.27	3.56	
Holtwood ²	Lower Susq.		.90	.23				.16	.16												.23							.02			.73	.34	2.35		
Huntingdon	Juniata			.05				.07													.20	.02	T.				.15				.75		1.24		
Huntsdale	Lower Susq.		.70				.58	.03								.01					.13						.04				.22	.49	2.20		
Hyndman ²	Potomac		T.	.07				.13												.06								.12			.32	.68	T.	1.73	
Kylertown ²	W. Br. Susq.						T.	.02								.01		.01	.01	.09	T.	T.					.12				.52	.37	1.15		
Lakeville ²	Upper Del.			1.19		.06	T.		.77																			.15				.95	.18	3.50	
Lancaster	Lower Susq.		1.06	.06				.34												.01	.22	T.					.06			.02	.95		2.72		
Lansford ²	Lehigh			.69				.60													.06								.10			.90		2.44	
Laurelton	Lower Susq.		.25					.05												.02											.38	.51	1.88		
Lawrenceville	N. Br. Susq.							.10								.30				.05								.18		.05	.42	.05	1.25		
Lebanon ²	Lower Susq.		.19	.52				.80	.11																				.03	.01	.57	.27	2.63		
Lehighton ²	Lehigh			.75				.60	.08																				.10			1.10	.03	2.66	
Lewistown	Middle Susq.		.04	.16				.31	.11																							.87		1.64	
Lock Haven	W. Br. Susq.							.07	.22							.06												.12			.09	.12	.92	.03	

Daily Precipitation for October, 1910—Continued from page 57

Stations	Drainage Basin	Day of month																															Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Atlantic Drainage (continued)																																			
Selinsgrove.....	Lower Susq.....	*	.22						1.11							.10		.14		.02	.08						.09					.74	.02	2.52	
Sellersville.....	Lower Del.....	.80	.01						.33											.11							.03		.02	.01	.09	.69		2.09	
Shade Gap.....	Middle Susq.....	.50						.19	.01											.20											.30	.40		1.60	
Shawmout.....	Schuylkill.....	.43	.22						.41	.02											.21						.06	.01		.13	T.	.72		2.21	
Shippensburg.....	Lower Susq.....	.53	.13						.69												.15	.05	T.				.09				.03	.68		2.35	
State College.....	W. Br. Susq.....	T.						T.	.14								.02		T.	T.	.03			T.			T.	.06				.49	T.	0.74	
Sunbury ²	Lower Susq.....	.41							1.03								.10				.05							.08		.08		.80	.04	2.59	
Susquehanna ²	N. Br. Susq.....	.39	.03						1.65								.23		T.	.02								.10				.82	.20	3.44	
Towanda.....	N. Br. Susq.....	.05	.10		T.	T.		.24	.28							.31	.03	T.	.09			.08				.02	.15	.01			.04	.69	.02	2.11	
Wellsboro ²	N. Br. Susq.....						T.		.04								.16		.06				.05	T.			.01	.02	.10			.40	.03	0.87	
Wernersville ² [nr]	Schuylkill.....	.05	.42	T.				.11	.33												.07										.24	.77		1.99	
West Chester.....	Lower Del.....	.99							.51												.21	T.								.12	.01	.75		2.59	
Westgrove ²	Lower Del.....	1.03	.15						.10	.32											.21						.02				.03	T.	.44	T.	2.30
Wilkes-Barre ² **	N. Br. Susq.....	.58				.12	T.	1.09	.11			T.				.08			.04	T.		T.	T.				.14				.50	.64	T.	3.30	
Wilkes-Barre ² 1	N. Br. Susq.....	1.30				.02			1.41								.12		.09	T.	T.	T.						.14				.79	.21	4.48	
Williamsport ²	W. Br. Susq.....	.37						.03	.63								.13					.06					T.	.13		.03		1.04	.03	2.45	
Williamstown.....	Lower Susq.....	.38	.24						.97								T.						.04				.06		.03			1.21		2.65	
York.....	Lower Susq.....	.01	.22	.03					.39								T.			.06	.13						.03		.03	.02	.91		2.83		
York Haven ²	Lower Susq.....	.68	.56						.60	.12											.27							.04		.04		.32	.23	2.86	
Zionsville (near) ²	Schuylkill.....	.35	.75						.05	.25																					1.04	.08	2.52		
Trenton, N. J. ¹	Lower Del.....	T.	.77	.01					.45												.05	.03	T.				.04		T.	T.	.03	.77		2.15	
Ohio Drainage																																			
Acmetonia ²	Allegheny.....								.27								T.	.11		.22	.02	.17		.01			.03	T.				.65		1.48	
Beaver Falls ²	Beaver.....						T.		.31								.02	.07		.13	T.	.16	.13			T.	T.				.08	.69		1.50	
Blairsville ²	Allegheny.....				T.				.12									.16		.05		.18	T.	.01				.03	.04			.15	.60		1.66
Bradford.....	Allegheny.....								.36	.10							.75	T.	.07	.05	T.		.04					.12		.02	.10	.08	.46	.05	2.20
Brookville ²	Allegheny.....								.06								.02	T.	.07			.11	T.									.49	T.	0.85	
Buckstown ²	Allegheny.....								.03								.09		.15													.45	.40		1.48
Butler ²	Ohio.....								.11		.11						.10				*	.18										.09	.61		1.31
Chambersville.....	Allegheny.....								.19	.06							.13			.14	.22	.02	.03					.06				.05	.73		1.63
Clarion ²	Allegheny.....								.28								.23	.06		.14		.08		.03								.64		1.46	
Claysville.....	Ohio.....								.11								.14			.17	.16	T.	T.					.08			.07	.49		1.22	
Conduence ²	Youghiogheny.....								.18								.08			.10		.44		T.			.01		.37			.38	.78		2.34
Connellsville ²	Monongahela.....								.21								.15			.40	.22	.28		T.					.15			.42	1.28		2.81
Coraopolis ²	Ohio.....								.14								.02	T.		.08	.01	.15	T.					.03		*	.10	.43		0.87	
Corry.....	Allegheny.....						.02	*	.45								.32			*	.20	*	.15	T.					.05			.01	.40	.10	1.79
Coudersport.....	Allegheny.....				.03	.01	.23										.28		.06	T.	T.		.05		.06		.18		.05			.06	.51	.06	1.58
Derry.....	Conemaugh.....							.11									.08		.02	.17	.17		.02				.06			T.	.21	1.05		1.89	
Donora ³	Monongahela.....							.08									.03		.20	T.	.24		.01				.09				.41	.33		1.39	
Dunlop.....	Allegheny.....							.22												.03	.20	T.					.19				.49	.35		1.39	
Ebensburg.....	Conemaugh.....							.26									.12		T.	.03	.20	T.					.09				.19	.68		1.57	
Franklin ²	Allegheny.....							.36									.56	.08		.25		.05					.08	.06				.05	.74	.03	2.21
Greensboro ²	Monongahela.....							.10										.06		.13		.36		T.					.21			.05	.99		1.90
Greensburg.....	Youghiogheny.....							.16	T.								.06		.28	.08	T.		.03			T.	.03		.02		.15	.69		1.45	
Greenville.....	Beaver.....							.18									.53	.01	.10	.13	.10		.02								.14	.67		1.87	
Grove City.....	Beaver.....							.28									.21		.03	.10	.11	T.	.20			T.					.19	.44		1.56	
Irwin.....	Monongahela.....							.05	.03								.05			.14	.13	.03	.02					.03			T.	.14	.45		1.67
Johnstown.....	Conemaugh.....							.13									.17		.08		.38		.02				.11				.29	.58		1.76	
Kanell ¹	Allegheny.....						T.	.48	.04								.48		.07	T.	.02	.02	.03		.02		.06		.03		.61	.28	T.	2.02	
Kregar ²	Youghiogheny.....							.17										.13		.22	T.	.15		T.					.13			.19	1.63		2.02
Lake Lynn ²	Monongahela.....							.22										.06		.05		.34							.17		.04	.78	T.	1.66	
Linesville ²	Beaver.....							.40									.49	T.		.05		.01	.01	T.					.15			.50	T.	1.61	
Lock No. 4 ²	Monongahela.....							.10										.05		.14	T.	.23		.02				.01	.08	T.		.17	.71		1.51
Lock No. 5 ²	Allegheny.....							.23									.04	.06		.07		.17	T.				.07	T.			.01	.76		1.41	
Lycippus.....	Conemaugh.....							.17									.17			.24	.11	T.	.09				.12								

Daily Temperatures for October, 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown	Maximum	62	66	70	72	67	81	79	64	61	67	68	74	79	67	68	56	58	51	39	45	45	5	78	68	63	59	50	49	45	61	61.7	
	Minimum	45	47	48	49	42	48	54	49	32	31	38	42	43	39	42	31	28	38	23	26	31	20	31	51	57	59	50	36	30	60	58.4	
Bedford	Maximum	63	68	70	73	69	79	81	69	62	65	70	75	79	71	68	53	60	56	46	39	41	52	70	73	69	69	55	42	49	60	60	63.4
	Minimum	46	47	40	42	41	48	57	48	39	30	33	37	43	41	50	30	34	42	26	32	36	26	29	60	53	40	32	42	37	36	39.2	
Bethlehem	Maximum	62	61	74	73	70	70	79	75	66	67	72	76	80	79	73	55	56	55	49	45	45	62	65	75	75	56	66	52	53	48	63.1	
	Minimum	48	49	52	53	41	51	58	56	44	43	41	53	51	50	53	38	34	43	32	29	36	25	33	52	43	40	32	38	26	37	40	42.6
Bloomsburg	Maximum																																
	Minimum																																
Brookville	Maximum																																
	Minimum																																
Butler	Maximum	35	38	40	37	31	35	49	46	25	27	28	31	30	30	31	25	21	20	18	20	16	16	17	29	39	31	33	31	29	31	29.7	
	Minimum	70	72	75	75	76	83	80	60	67	66	69	71	78	82	80	59	60	50	35	44	16	55	72	73	70	60	56	53	55	58	64.6	
Carlisle	Maximum	41	39	46	40	30	52	52	47	30	30	34	41	34	50	47	27	26	40	28	21	37	20	33	45	41	32	32	43	36	43	37.1	
	Minimum	65	60	74	70	70	74	80	72	67	66	72	77	81	75	68	55	62	58	47	41	15	53	68	73	60	64	53	50	48	46	62	63.2
Chambersburg	Maximum	45	50	47	48	40	50	53	55	38	38	35	46	48	45	52	37	32	42	27	27	27	22	28	45	36	41	36	32	30	38	35	39.5
	Minimum	62	56	75	73	69	72	81	66	61	67	68	75	82	73	66	56	60	56	45	44	49	50	68	71	57	64	55	50	46	51	62	62.4
Chambersville	Maximum	48	49	47	46	43	60	54	55	38	36	36	43	47	51	47	37	40	45	29	28	32	25	30	51	39	42	33	41	37	37	36	41.0
	Minimum	64	71	72	72	78	81	78	66	61	65	67	74	78	83	78	54	58	54	44	42	43	57	75	72	59	59	54	53	51	58	55	63.7
Claysville	Maximum	42	43	43	40	44	55	57	49	27	24	32	41	52	35	36	26	25	37	24	25	36	18	36	49	36	36	29	41	36	41	32	37.1
	Minimum	65	70	69	70	77	81	77	63	62	67	67	72	78	82	75	55	59	56	46	45	17	60	74	70	63	61	62	68	62	59	61	65.3
Clearfield	Maximum	43	41	41	41	40	59	55	45	29	30	34	44	54	46	45	29	29	36	27	28	29	24	36	47	18	38	36	36	42	51	35	39.2
	Minimum	67	66	75	73	72	84	78	65	62	69	68	73	75	77	70	57	56	63	40	45	46	57	77	71	55	57	47	53	41	64	50	62.4
Coatesville	Maximum	37	39	39	39	37	47	52	48	27	30	30	37	38	31	46	26	23	34	19	23	32	16	28	47	34	34	25	31	26	34	31	33.6
	Minimum	63	59	69	65	68	71	76	66	62	62	69	73	79	72	74	50	51	55	43	45	51	49	62	74	55	63	52	49	47	49	57	60.7
Corry	Maximum	43	45	50	47	37	46	53	53	42	39	37	46	47	49	45	35	38	38	28	25	30	22	28	42	40	38	29	36	24	38	35	39.0
	Minimum	65	72	72	73	74	76	67	62	60	58	62	67	69	78	54	59	56	55	48	49	38	68	74	67	50	53	52	52	45	53	45	60.1
Coudersport	Maximum	36	41	47	40	45	44	40	28	32	33	38	40	32	45	28	30	35	30	18	32	21	27	27	34	36	34	27	29	35	36	29	34.2
	Minimum	71	70	72	73	68	74	71	60	57	67	68	69	70	73	62	58	54	43	37	46	40	55	75	67	51	51	45	51	40	44	44	59.0
Donora	Maximum	32	34	35	39	29	45	52	41	25	29	30	35	40	26	37	25	18	30	15	10	27	12	25	35	30	30	30	20	15	31	33	29.5
	Minimum	66	71	71	70	79	84	80	64	60	64	68	73	81	85	69	57	61	51	43	47	46	59	76	72	62	62	58	61	62	60	63	65.3
Ebensburg	Maximum	51	49	49	50	49	64	56	46	38	40	43	51	57	51	45	39	39	41	34	29	37	29	41	48	44	44	43	41	49	51	42	44.8
	Minimum	61	62	67	70	70	80	78	61	59	63	65	72	76	73	64	55	56	42	38	42	40	56	75	68	56	51	49	42	57	52	60	60.0
Emporium	Maximum	40	43	43	39	39	50	50	42	28	26	28	40	47	37	40	27	26	34	20	24	31	17	33	40	35	35	28	36	32	34	36	34.8
	Minimum	71	67	73	73	69	76	76	63	56	68	67	71	71	73	69	60	56	54	50	44	48	56	77	73	63	55	50	52	48	47	49	62.1
Ephrata	Maximum	38	38	42	45	36	38	57	49	30	33	36	40	41	32	46	28	20	33	20	18	35	15	27	41	33	33	25	35	19	36	35	34.0
	Minimum	67	60	74	71	71	73	79	68	65	64	69	77	81	74	71	57	58	55	44	48	47	52	66	74	54	59	51	62	46	48	55	62.3
Erie	Maximum	46	49	51	47	41	52	57	56	40	40	37	44	44	48	49	36	38	40	30	26	32	23	30	41	38	36	29	29	26	40	33	40.0
	Minimum	60	63	66	63	74	80	74	55	58	63	66	70	68	78	64	49	56	48	37	46	46	54	77	58	57	49	48	47	54	50	58	58.9
Franklin	Maximum	49	50	52	52	53	63	53	47	41	48	52	55	52	48	44	35	37	37	31	28	33	31	52	46	46	40	39	37	37	44	41	44.3
	Minimum	67	71	72	73	73	79	70	63	59	69	68	70	72	80	56	54	56	48	36	43	43	56	71	66	52	55	49	58	45	57	50	60.7
Freeland	Maximum	43	42	43	45	40	41	53	44	31	31	33	36	43	36	36	31	27	28	27	21	23	21	21	36	40	33	32	36	38	35	34	31.9
	Minimum	64	64	67	63	62	63	75	64	58	59	64	71	72	67	66	58	52	44	37	40	37	49	55	66	53	52	43	45	45	41	43	55.7
George School	Maximum	44	44	46	46	43	47	54	49	38	38	39	49	53	41	40	28	32	32	22	21	23	21	32	51	40	34	26	38	25	30</		

Daily Temperatures for October, 1940—(continued)

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Port Clinton.....	Maximum...	69	67	70	70	65	67	75	75	68	62	68	73	79	79	69	50	54	52	48	44	43	45	63	72	65	56	55	51	49	45	56	61.4
	Minimum...	43	48	48	42	35	49	52	54	35	35	34	31	41	39	49	31	30	26	25	21	27	18	27	41	33	32	25	36	19	37	31	35.6
Quakertown.....	Maximum...	60	57	68	65	66	68	78	69	61	60	67	71	75	68	74	51	54	52	43	45	47	56	62	71	62	57	52	48	50	45	55	59.9
	Minimum...	46	47	48	44	34	47	55	55	41	33	33	42	47	43	48	34	30	34	27	25	29	18	27	50	33	30	34	36	17	32	35	37.2
Reading*.....	Maximum...	68	60	73	68	69	72	79	60	65	63	69	75	80	72	71	54	56	54	40	45	46	49	65	74	52	69	59	52	46	47	56	60.9
	Minimum...	51	51	53	49	44	55	57	53	45	42	41	48	52	51	46	39	38	37	32	28	33	27	34	50	42	37	33	33	28	39	38	42.1
Retreat.....	Maximum...	63	53	69	62	65	67	78	71	59	60	63	75	74	74	68	54	48	54	37	40	40	40	60	64	58	58	58	54	43	44	46	58.0
	Minimum...	42	47	48	43	35	47	51	54	37	37	35	43	44	34	43	38	27	35	26	23	30	19	38	43	34	38	34	24	19	36	42	37.0
Ridgway†.....	Maximum...	69	69	72	71	73	78	72	61	57	57	68	70	70	77	52	58	56	46	36	46	40	56	74	68	51	55	46	51	41	55	60.8	
	Minimum...	37	38	38	39	34	36	49	46	28	29	32	32	38	28	29	24	21	24	16	12	14	13	15	29	34	38	24	27	31	32	29.5	
Scranton*.....	Maximum...	65	56	69	65	69	69	81	62	58	59	66	72	72	74	66	54	54	46	41	47	39	49	69	66	49	51	46	45	51	44	46	58.0
	Minimum...	46	48	51	41	38	53	57	48	39	40	35	43	48	40	41	34	31	34	27	27	29	22	35	46	37	35	28	22	37	43	38.3	
Selinsgrove.....	Maximum...	72	63	74	71	68	66	77	68	64	70	64	74	79	69	66	56	68	54	43	46	45	50	65	72	65	54	51	52	48	46	52	61.6
	Minimum...	48	49	46	51	40	52	57	56	36	36	38	44	46	41	47	34	28	42	26	24	32	42	32	45	36	38	28	32	36	31	38.5	
Somerset.....	Maximum...	60	61	67	66	74	78	72	57	58	65	66	68	73	71	66	52	54	49	39	43	47	56	72	68	54	59	51	53	46	55	58	60.0
	Minimum...	40	43	37	34	34	44	55	47	24	24	27	32	32	38	41	24	29	39	21	25	26	29	29	50	29	36	28	34	36	34	34.1	
Springs.....	Maximum...	56	59	64	65	73	77	71	58	56	63	62	67	73	73	65	47	53	43	36	42	37	55	70	67	54	56	58	55	41	55	57	58.4
	Minimum...	44	46	43	39	40	41	52	40	29	29	31	36	43	44	39	26	30	35	23	27	25	30	44	27	39	33	34	35	38	34	35.9	
State College.....	Maximum...	63	63	72	67	66	76	80	63	59	66	66	73	76	70	64	52	56	46	35	44	43	51	73	68	50	55	48	47	41	52	52	59.3
	Minimum...	45	46	45	45	41	45	53	52	36	36	36	38	47	41	43	36	32	33	24	26	27	22	24	38	43	37	30	32	27	30	40	37.2
Stroudsburg†.....	Maximum...	59	58	71	67	67	68	73	72	65	65	70	76	79	70	70	52	57	52	43	50	45	50	64	72	50	56	58	50	52	52	60.8	
	Minimum...	40	45	46	38	33	47	49	53	33	30	31	37	39	35	43	35	26	30	23	21	35	15	26	30	36	43	22	25	15	34	37	33.9
Towanda.....	Maximum...	68	61	72	68	70	71	79	65	59	60	65	75	70	72	62	53	59	49	41	50	42	52	71	69	50	53	50	48	51	45	46	59.5
	Minimum...	42	40	42	42	34	49	59	48	36	36	34	41	45	33	41	30	22	35	22	20	28	17	32	48	31	31	23	22	16	35	41	34.7
Uniontown.....	Maximum...	62	66	66	72	78	81	75	66	62	65	66	73	79	83	73	57	61	54	45	42	44	60	74	73	60	61	56	62	61	63	62	64.7
	Minimum...	49	48	45	44	45	61	59	53	34	33	36	42	56	50	49	35	39	39	32	30	37	59	40	48	40	39	46	51	41	43.3		
Vandergrift*.....	Maximum...	64	70	73	74	79	85	65	63	69	69	68	74	79	85	70	59	60	52	41	44	45	48	61	77	71	61	62	53	56	51	62	61.7
	Minimum...	47	44	43	45	42	55	39	34	36	37	44	52	54	39	29	30	39	28	25	28	23	44	45	41	36	35	45	39	49	34	39.3	
Warren.....	Maximum...	68	69	72	70	70	80	70	60	58	68	70	70	78	80	67	60	58	47	38	50	40	58	76	67	51	67	45	53	42	51	46	60.8
	Minimum...	38	39	45	45	41	52	52	39	30	34	35	40	46	33	41	28	28	34	24	19	30	20	34	40	38	32	27	38	29	37	38	35.7
Waynesburg.....	Maximum...	63	70	71	75	79	82	76	65	62	69	69	74	81	84	75	59	61	54	45	45	48	62	77	73	63	63	65	64	65	59	64	66.5
	Minimum...	46	46	46	42	40	59	57	47	32	31	34	45	51	46	47	32	35	39	27	29	31	26	35	55	40	46	40	38	45	45	41	41.1
Wellsboro.....	Maximum...	64	64	70	63	66	70	78	65	56	57	67	72	68	69	58	50	56	47	39	45	41	48	73	65	50	48	47	41	46	45	45	57.2
	Minimum...	38	40	38	40	32	50	58	49	32	32	31	41	48	30	38	28	21	34	21	16	32	16	32	39	32	31	22	27	15	34	40	33.5
West Chester.....	Maximum...	63	67	71	65	68	73	78	66	63	65	71	82	77	76	77	57	55	56	45	45	49	50	64	75	58	62	52	50	44	45	57	61.6
	Minimum...	48	47	49	49	40	49	50	54	44	44	40	40	42	52	48	37	40	38	29	27	31	23	32	51	43	35	30	38	28	40	39	40.3
Wilkes-Barre†.....	Maximum...	66	55	71	67	69	71	82	66	60	60	67	74	75	74	67	58	56	50	41	45	42	50	70	69	50	53	52	47	51	46	48	59.8
	Minimum...	45	46	45	38	35	48	61	40	36	37	37	42	44	39	37	29	26	32	25	23	23	30	32	36	34	26	24	20	20	36	35	34.6
Williamsport.....	Maximum...	69	62	73	68	68	66	78	66	61	64	60	71	72	69	65	53	57	50	42	43	44	50	65	72	66	54	50	50	44	44	49	59.6
	Minimum...	44	44	45	45	38	49	57	50	37	36	36	43	44	36	46	30	27	41	25	24	26	20	30	40	35	38	28	30	20	36	36	37.2
Williamstown.....	Maximum...	68	68	71	71	66	69	77	74	61	61	66	69	78	72	66	51	60	55	49	40	43	52	68	70	68	52	60	52	48	48	52	61.5
	Minimum...	45	44	46	50	45	50	55	49	37	38	41	48	54	44	44	29	33	39	25	22	31	22	34	44	41	36	32	26	37	39	39.1	
York.....	Maximum...	65	58	70	66	67	72	77	70	61	60	67	72	77	71	72	51	56	53	50	43	49	49	66	74	68	60	55	50	43	51	57	61.3
	Minimum...	45	49	46	44	41	53	58	55	37	35	35	42	45	42	50	36	38	41	28	28	29	23	33	49	44	44	30	40	30	39	33	40.1

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date ‡ 1:30 a. m. to 1:30 p. m. †, ‡, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	30.11	30.39	22	29.68	7	7.1	20	s.	7	85	70	82	36
Harrisburg.....	30.11	30.49	22	29.72	7	6.2	38	s.	13	82	54	71	56
Philadelphia.....	30.10	30.49	22	29.76	15	12.3	35	n.	15	82	52	73	61
Pittsburgh.....	30.10	30.42	22	29.77	7	9.0	25	nw.	30	84	54	62	56
Reading.....	30.11	30.51	22	29.74	7	8.4	47	ne.	28	79	49	64	61
Scranton.....	30.11	30.47	22	29.70	7	5.7	34	nw.	28	82	52	18	51

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.
L. F. CONOVER
HARRISBURG, PA.

Vol. XLV.

NOVEMBER, 1940

No. 11.

GENERAL SUMMARY.

The month was much milder than November, 1939, but not so warm as the corresponding month of 1938. Temperatures for the first half of the month were above the seasonal average, while the latter half of the month ushered in actual winter conditions. Extremes of temperature were well within previous limits. The lowest averages were confined to the Pocono Mountain and the northern border sections. The southeast averaged 44°; Mountains, 40°; Southwest, 42°; Plateau, 39°; and the Lake Erie Section, 41°. The deficiency in temperature since January 1st is 739°, or an average daily departure of -2.2°.

Precipitation was nearly an inch above the normal during the first week and light from the 5th to the 11th. Almost continuous rain fell from the 11th to the 15th in eastern areas, while snow was reported from the western part of the State. The heaviest precipitation occurred on the 14th and 15th and again on the 26th and 27th. It was in excess for all stations except those along the northern tier counties where slight deficiencies were noted. The southeast section received the greatest averages, the Lake Erie and North-Central Counties the least. An average of 13 days with measureable amounts of precipitation was recorded and is the highest average since 1927. This is the 7th month this year with above-normal averages in precipitation and the excess since January 1st now totals 1.63 inches. Snowfall was heaviest in the central and northern counties and very light over the southeast. Snowfall depths during the 26th and 27th ranged from a Trace to over 10 inches. Snow, rain, and sleet occurred during these two days and many motor accidents were reported throughout the State.

Weather conditions during the fore part of November were generally favorable to the new fields of very late-planted truck crops, enabling them to reach maturity. Harvesting of the late beet crop progressed rapidly in the extreme southeastern counties and large quantities were stored for marketing during the winter months. Near the close of the month beets and celery were injured slightly by freezing weather. Some potatoes, field corn and cabbage remained unharvested, due to the unfavorable weather for outdoor work.

An upper air tornado was observed at Kylertown on November 29th. No irregularity in the station barograph was noted during its passage, and no tornadic activity at the surface was reported.

TEMPERATURE.

The mean temperature for the State, as determined from the reports of 88 stations, was 41.3°, which is also the normal for the 53-year record for November. The highest monthly mean was 47.9° at Point Breeze, Philadelphia County, and the lowest was 35.4° at Kane, McKean County. Extremes ranged from a maximum of 78° at Palmerton, Carbon County, on the 5th, to

a minimum of 9° at Moutt Pocono, Monroe County, on the 26th, and Hawley, Wayne County, on the 29th. The greatest daily range in temperature was 47° at Lawrenceville, Tioga County, on the 4th.

PRECIPITATION.

The average precipitation for the State, as determined from the observations at 156 stations, was 4.04 inches, which is an excess of 1.18 inches as compared with the 53-year normal for November. The greatest monthly amount was 5.86 inches at Kane, McKean County, while the least, 1.93 inches, was recorded at Lawrenceville, Tioga County. The greatest amount recorded in any 24 consecutive hours was 1.6 inches at Arendtsville, Adams County, on the 1st and 2d.

The average snowfall for the State was 5.8 inches, which is 3.0 inches above the 53-year normal. The greatest monthly snowfall was 21.7 inches at Warren, Warren County. The greatest fall for any 24 consecutive hours was 10.5 inches, at Corry, Erie County, on the 26th and 27th.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	42.2	79	4	3.37	2.1	11	9	7	14
1889.....	41.8	73	10	6.72	0.7	15	5	8	17
1890.....	41.8	78	10	1.49	0.5	8	9	10	11
1891.....	39.7	70	6	2.65	1.2	9	9	8	13
1892.....	39.0	80	10	4.34	8.6	12	6	8	16
1893.....	39.2	68	-4	2.93	2.4	8	8	11	11
1894.....	38.2	74	6	2.50	5.3	9	10	9	11
1895.....	42.9	78	6	2.48	0.5	10	10	8	11
1896.....	46.0	83	12	3.55	1.1	10	8	8	13
1897.....	41.6	76	2	5.28	2.6	14	6	8	16
1898.....	40.0	73	8	4.03	6.9	11	8	9	12
1899.....	41.5	72	7	2.66	1.2	7	10	8	13
1900.....	43.5	79	7	4.10	3.1	12	6	9	15
1901.....	36.6	76	9	2.56	3.1	8	7	8	15
1902.....	47.3	78	0	1.53	1.4	8	10	8	12
1903.....	36.9	78	2	2.18	1.4	7	11	8	11
1904.....	38.8	79	-4	1.14	3.5	6	10	9	11
1905.....	39.1	68	5	2.47	0.9	9	11	8	11
1906.....	41.5	80	9	1.45	4.0	8	12	6	12
1907.....	39.8	70	4	3.60	2.9	10	13	8	9
1908.....	41.2	75	-2	0.90	5.0	5	12	8	10
1909.....	46.4	80	15	1.40	1.9	7	12	8	10
1910.....	36.8	68	9	2.45	8.5	11	4	7	19
1911.....	37.8	77	7	2.84	3.7	10	7	7	16
1912.....	43.0	81	7	2.17	1.9	7	10	8	12
1913.....	43.9	79	10	3.05	4.5	11	10	5	15
1914.....	40.6	81	-2	1.76	1.5	6	12	9	9
1915.....	42.1	79	13	2.15	1.3	10	10	9	11
1916.....	41.3	79	4	2.27	1.6	9	13	6	11
1917.....	37.6	69	-5	0.63	1.4	5	14	7	9
1918.....	42.1	76	11	2.03	T.	7	12	6	12
1919.....	41.2	76	11	5.35	2.3	12	11	7	12
1920.....	40.3	75	5	3.54	4.5	11	7	7	16
1921.....	42.3	80	3	5.75	1.4	16	5	7	18
1922.....	42.9	73	12	1.21	1.8	9	10	7	13
1923.....	40.7	70	10	2.83	0.3	10	12	5	13
1924.....	40.7	78	-9	1.54	2.9	7	12	8	10
1925.....	39.5	71	4	3.56	2.2	10	11	7	12
1926.....	40.4	79	-1	4.49	0.9	10	9	7	14
1927.....	46.2	85	10	4.95	1.8	14	7	7	16
1928.....	43.4	81	4	2.32	2.3	12	7	8	15
1929.....	41.1	81	-10	3.39	1.9	12	8	8	14
1930.....	42.0	75	-15	1.48	2.3	9	10	7	13
1931.....	49.2	80	12	1.52	2.9	9	10	8	12
1932.....	39.4	75	-2	4.75	0.3	10	12	7	11
1933.....	38.1	83	-11	1.55	7.0	11	8	7	15
1934.....	44.0	80	6	3.61	1.8	12	9	7	14
1935.....	44.4	85	5	3.84	2.5	12	7	6	17
1936.....	38.6	78	2	2.40	3.4	8	9	8	13
1937.....	40.7	79	-3	2.56	2.0	11	11	7	12
1938.....	42.7	87	-13	3.10	10.9	10	13	7	10
1939.....	39.7	76	11	0.97	1.6	5	15	6	9
1940.....	41.3	78	9	4.04	5.8	13	6	6	18
Period	41.3	87	-15	2.86	2.8	10	9	8	13

Climatological Data for November, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days			Prevailing direction of wind	Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation of 1 in. or more	Clear			Pt. cloudy	Cloudy	
Atlantic Drainage.	Allentown.....	Lenigh.....	260	28	41.8	-0.6	72	5	20	26	30	4.75	+1.99	1.23	2.3	13	7	18	5	e.	John A. Frick.
	Altoona.....	Blair.....	1,615	53	38.6	-1.8	73	4	16	26	35	.....	1.29	.....	.....	11	10	9	.....	Robert D. Goodfellow.	
	Ardmore.....	Montgomery.....	330	20	43.8	+0.5	72	22	18	26	34	5.24	+1.87	1.40	0.1	10	2	12	16		H. L. Balderston.
	Arendtsville.....	Adams.....	710	18	42.7	+0.1	73	5	21	26	38	5.43	+3.05	1.96	1.6	9	12	8	10	nw.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,100	8	42.0		73	4	20	26	43	3.78		1.40	4.0	8	5	5	20	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	450	54	44.3	-0.2	76	5	22	26	29	4.63	+1.76	1.17	2.2	10	6	0	24	nw.	Lehigh University.
	Bloomsburg.....	Columbia.....	560	14	41.0		73	5	17	26	31	3.74		1.23	7.6	16	6	9	15	nw.	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	473	71	44.2	+2.6	74	5	18	26	40	5.12	+2.80	1.75	3.0	13	9	4	17	nw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	600	43	44.1	+1.7	72	5	22	26	34	5.24	+2.99	1.78	1.3	9	5	9	16	sw.	William B. Spear.
	Clearfield.....	Clearfield.....	1,260	39	38.7	-2.2	70	4	15	26	43	4.19	+1.22	1.30	6.4	16	3	4	23	w.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	431	53	42.6	-0.2	71	22	18	26	34	4.98	+2.04	1.18	0.3	12	3	7	20	nw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	630	28	41.8	+0.2	71	5	17	26	35	4.56	+2.13	1.38	2.8	14	10	1	19	n.	Wm. A. Korer.
	Emporium.....	Cameron.....	1,050	55	39.4	+0.1	70	4	15	26	40	4.06	+1.22	1.75	8.0	9	5	1	24	s.	E. M. Poorman.
	Ephrata.....	Lancaster.....	365	43	44.0	+0.7	72	5	21	26	36	5.10	+2.84	1.34	1.0	11	5	7	18	n.	Ira J. Keith.
	Freeland.....	Luzerne.....	1,900	47	36.4	-0.9	70	4	14	26	28	4.91	+1.78	1.44	13.5	13	4	10	16	w.	Andrew B. Evans.
	George School.....	Bucks.....	160	34	44.4	+0.6	73	22	20	26	33	4.78	+1.91	1.09	0.2	8	3	17	10	sw.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	67	45.4	+3.0	75	5	21	26	37	5.21	+2.81	1.55	2.2	13	12	5	13	s.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	900	36	40.4	+0.5	73	5	13	26	41	4.70	+1.52	1.03	8.0	12	7	2	21	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,890	25			72	5	22	26	32	5.63	+3.37	1.54	2.0	14	9	5	16	s.	Steward W. Eilenberger.
	Hanover.....	York.....	600	36	45.0	0.0	72	5	22	26	32	5.63	+3.37	1.54	2.0	14	9	5	16	s.	Thomas V. Cooper.
Harrisburg.....	Dauphin.....	337	71	43.6	+0.8	74	5	23	26	36	4.22	+1.96	1.49	2.5	11	3	7	20	nw.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	22	38.4	-0.8	73	5	9	29	38	3.63	+1.00	0.94	8.3	10	6	8	16	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	25	44.8	-0.3	71	4	25	26	32	3.96	+1.77	1.09	0.5	11	7	5	18	nw.	H. W. Lowy, C. E.	
Huntingdon.....	Huntingdon.....	700	53	41.2	-0.5	75	4	14	26	46	3.76	+1.53	1.03	7.4	11	5	8	17	nw.	Prof. Paul R. Yoder.	
Kiwierton.....	Clearfield.....	1,700	11	37.4	-0.8	68	4	14	26	33	3.38	+1.00	0.78	7.6	17	0	6	24	nw.	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	280	53	43.5	+0.4	75	5	18	26	44	5.09	+2.71	1.25	T.	12	13	4	13	nw.	Supt. of Water Works.	
Lawrenceville.....	Tioga.....	1,000	43	37.8	-1.3	71	4	10	26	47	1.93	-0.34	0.60	8.0	10	6	5	19	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	469	56	41.7	-0.9	75	5	21	26	38	4.88	+1.87	1.28	3.0	9	12	10	8	sw.	Lebanon Valley Gas.	
Lewistown.....	Mifflin.....	480	2	43.8	.....	73	4	20	26	40	4.16	.....	1.08	2.5	11	3	3	24	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	554	50	41.8	-0.2	68	5	17	26	29	3.91	+1.80	1.01	4.5	12	1	13	16	sw.	Joseph Beaver.	
Marcus Hook.....	Delaware.....	50	14	47.0	-0.6	73	21	23	25	35	3.70	+0.94	0.95	T.	8	13	7	10	sw.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,656	35	36.2	+0.9	65	4	11	26	24	3.71	+1.06	0.93	11.3	15	1	9	20	uw.	Philip F. Chamberlain.	
Mt. Pocono.....	Monroe.....	1,740	34	34.9	-1.2	68	5	9	26	40	3.00	-0.21	1.00	10.5	9	3	9	18	sw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	864	28	.....	.....	73	23	19	26	41	4.75	+1.72	1.16	0	10	9	3	18	w.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	80	51	44.0	+1.3	73	23	19	26	41	4.75	+1.72	1.16	0	10	9	3	18	w.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	2	40.8	.....	74	5	15	26	36	4.64	+1.65	1.30	3.0	10	9	11	10	nw.	J. Earl Scaffer.	
Palmerton.....	Carbon.....	420	22	41.8	-0.2	78	5	16	26	38	4.24	+1.65	1.22	3.1	13	7	7	16	sw.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	69	46.4	+0.7	71	22	25	26	24	4.24	+1.54	1.22	T.	12	2	12	16	n.	U. S. Weather Bureau.	
Phila. Navy Yard.....	Philadelphia.....	20	24	46.2	+0.2	70	22	25	26	24	3.82	+0.99	0.99	T.	11	12	5	13	w.	Navy Aerological Office.	
Phoenixville.....	Chester.....	100	30	45.5	+1.8	77	22	18	26	42	5.32	+2.33	1.35	T.	7	11	10	9	w.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	430	2	42.6	+0.8	73	5	15	26	43	4.67	+1.86	1.57	2.4	10	10	2	18	n.	E. E. Rarick.	
Quakertown.....	Bucks.....	480	55	41.8	+0.4	70	5	17	26	35	5.59	+2.36	1.56	1.5	11	7	8	15	sw.	John E. Bauer.	
Reading.....	Berks.....	273	70	44.0	+0.2	74	5	24	26	30	4.86	+2.13	1.26	2.0	12	3	11	16	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	46	40.4	-0.1	71	5	17	26	29	3.05	+0.28	0.98	7.0	15	3	7	20	nw.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	420	50	42.8	+1.0	72	5	18	26	36	3.90	+1.43	1.28	4.0	16	3	4	23	nw.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	61	44	44.3	-0.8	67	5	21	26	31	4.43	+1.60	1.06	0.2	9	.....	.....	.....	.....	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	7	43.2	.....	71	5	19	26	35	4.36	.....	1.61	3.5	9	5	7	18	w.	State Teachers College.	
State College.....	Centre.....	1,217	56	40.0	0.0	69	4	18	26	32	3.46	+1.15	1.07	8.5	14	1	6	23	w.	Dr. H. Landsberg.	
Towanda.....	Bradford.....	754	46	39.2	-0.6	71	4	13	26	44	2.06	-0.08	0.62	7.0	15	3	5	22	nw.	Mrs. M. Orndell Parks.	
Wellsboro.....	Tioga.....	1,319	70	38.0	+0.4	68	4	12	26	42	2.30	+0.08	0.60	10.3	11	6	5	19	n.	George W. Hill.	
West Chester.....	Chester.....	140	91	44.0	+0.9	73	22	20	26	31	5.11	+2.03	1.30	T.	10	13	5	12	nw.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	2	39.6	.....	72	5	16	26	34	3.32	+1.10	1.07	4.5	15	1	5	24	sw.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	542	54	41.0	-0.2	70	5	18	26	29	3.81	+1.44	1.11	8.0	14	8	4	18	w.	Mrs. Veronica A. Keller.	
Williamstown.....	Dauphin.....	1,275	25	41.4	-0.7	72	5	16	26	31	4.22	+1.39	1.16	3.0	10	6	9	15	sw.	Susquehanna Collieries Co.	
York.....	York.....	400	52	44.8	+1.6	74	5	19	26	38	5.04	+2.81	1.41	1.0	13	9	7	14	w.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	50	37.5	-0.1	65	11	16	26	32	4.34	+1.45	1.11	8.8	20	4	5	21		Frank S. Fawcett.
	Butler.....	Butler.....	1,077	27	41.0	+2.6	76	21	18	17	40	4.12	+1.32	1.20	8.0	16	8	5	17	w.	William C. Faust.
	Chambersville.....	Indiana.....	1,061	39	41.2	+0.1	71	4	19	26	40	3.32	+0.55	0.99	2.9	20	7	4	19	w.	John E. Lewis.
	Claysville.....	Washington.....	1,150	35	41.0	+1.3	70	4	14	16	34	3.57	+1.07	1.01	3.6	13	9	2	19	s.	J. L. Melvin.
	Corry.....	Erie.....	1,430	27	38.1	-0.5	70	4	1												

Day of month

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First-order Weather Bureau station: precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ** Precipitation for period, 1:30 a. m. to 1:30 a. m. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing † Daily amounts inconsistent. Post Office addresses are as follows: of Blossville, Newville: of Acemetonla, Barking; of Pennline, Linesville; of Unity Reservoir, Greensburg; of Girardville, Shenandoah; of Lock No. 5, Schenley. § Airway Station. † River Station. ||| Formerly Dahoga and Kane(near).

Daily Temperatures for November, 1940

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month	
Allentown.....	Maximum.....	56	63	59	66	72	48	40	40	50	54	64	49	47	43	46	43	44	47	52	51	68	53	47	45	38	34	33	38	40	.....	49.1	
.....	Minimum.....	41	44	43	37	42	44	38	36	34	30	35	47	38	38	39	34	28	32	26	28	33	40	37	38	35	20	22	29	24	26	.....	34.6
Bedford.....	Maximum.....	52	58	56	73	70	65	39	38	51	60	58	61	47	47	40	31	40	41	50	60	66	65	63	50	42	35	38	31	40	40	.....	50.3
.....	Minimum.....	36	46	46	30	45	38	36	32	28	31	15	43	30	37	30	26	16	36	26	28	15	43	33	41	33	20	32	21	25	21	.....	33.7
Bethlehem.....	Maximum.....	62	62	61	70	76	72	46	40	52	54	63	60	45	42	45	41	41	41	48	54	52	69	68	51	46	36	33	35	35	36	.....	51.0
.....	Minimum.....	43	48	47	42	47	46	38	36	34	35	11	45	40	39	11	34	28	40	29	35	42	43	43	42	36	22	26	29	24	30	.....	37.6
Bloomsburg.....	Maximum.....	52	62	58	61	73	65	42	39	51	53	61	60	47	42	42	39	49	45	48	51	54	68	55	48	43	32	35	35	32	40	.....	49.1
.....	Minimum.....	40	37	43	30	42	34	36	36	29	29	13	34	29	38	36	36	26	34	25	30	42	40	32	40	31	17	25	28	26	30	.....	32.8
Brookville.....	Maximum.....	49	58	53	51	62	39	36	34	43	56	65	48	49	37	33	31	33	38	55	51	65	63	44	42	35	36	36	31	31	45	.....	45.1
.....	Minimum.....	40	37	43	30	42	34	36	36	29	29	13	34	29	38	36	36	26	34	25	30	42	40	32	40	31	17	25	28	26	30	.....	29.9
Butler.....	Maximum.....	56	57	60	70	69	55	37	37	46	57	53	67	50	47	38	31	39	38	60	56	76	65	61	44	36	40	36	34	33	36	.....	49.6
.....	Minimum.....	36	39	32	45	46	36	35	33	31	35	45	37	32	31	34	21	18	26	20	38	45	48	33	22	25	32	29	23	25	21	.....	32.5
Carlisle.....	Maximum.....	66	66	62	72	74	65	50	45	54	60	60	62	48	42	44	48	48	52	52	49	60	73	61	52	47	37	37	38	36	40	.....	53.4
.....	Minimum.....	46	42	40	32	44	42	40	31	29	32	40	44	32	39	39	32	22	39	23	29	46	40	38	44	36	18	30	39	26	22	.....	34.9
Chambersburg.....	Maximum.....	54	63	60	69	72	61	47	45	54	59	64	62	45	42	33	37	46	51	49	59	63	70	58	52	46	33	38	35	41	41	.....	51.9
.....	Minimum.....	44	48	48	35	46	41	40	38	34	33	41	42	32	39	36	29	30	37	25	31	47	47	42	41	31	22	30	29	26	25	.....	36.3
Chambersville.....	Maximum.....	51	60	57	71	65	61	39	36	47	57	61	65	46	45	38	32	33	40	59	53	68	67	59	44	38	33	40	30	35	40	.....	49.0
.....	Minimum.....	37	46	42	31	51	34	31	29	21	34	48	37	24	31	24	24	24	33	23	39	45	55	32	38	32	19	28	22	21	19	.....	33.4
Claysville.....	Maximum.....	54	61	60	70	62	56	43	40	55	66	67	50	45	35	31	35	47	58	54	66	65	59	47	38	33	44	32	38	49	.....	50.2	
.....	Minimum.....	41	46	39	37	51	35	31	29	21	34	48	37	24	31	24	14	25	23	24	38	44	54	29	35	29	22	28	20	21	20	.....	31.9
Clearfield.....	Maximum.....	50	59	52	70	63	57	38	36	46	57	61	61	49	42	39	32	35	39	54	53	61	66	53	43	38	29	25	36	35	37	.....	47.8
.....	Minimum.....	36	45	36	27	36	32	31	31	9	30	42	36	22	36	30	22	22	32	21	25	42	43	32	35	26	15	24	20	20	.....	30.4	
Coatesville.....	Maximum.....	58	62	58	68	70	60	43	44	49	58	64	62	43	43	47	40	45	49	58	56	71	59	48	44	36	37	36	40	40	.....	51.2	
.....	Minimum.....	43	44	39	34	44	39	37	35	34	29	39	40	39	37	27	25	33	23	30	44	45	35	41	28	18	29	26	22	27	.....	34.0	
Corry.....	Maximum.....	49	55	58	70	60	37	35	45	63	49	51	46	50	40	31	32	36	44	52	51	63	59	60	57	33	37	33	27	33	43	.....	46.6
.....	Minimum.....	36	36	31	44	34	31	30	31	40	39	27	24	25	29	24	21	31	25	27	37	42	37	45	35	31	20	19	25	16	23	.....	29.6
Coudersport.....	Maximum.....	46	48	54	52	56	54	40	60	49	55	62	59	48	39	33	30	35	36	47	46	56	63	51	40	35	29	34	29	33	38	.....	45.1
.....	Minimum.....	34	36	32	26	34	26	28	23	25	25	40	34	21	30	26	21	20	28	19	29	37	45	35	31	20	10	20	20	18	20	.....	27.0
Donora*.....	Maximum.....	58	62	62	74	65	46	42	41	45	59	72	60	51	38	36	34	39	46	60	70	69	50	46	56	42	45	29	41	56	.....	51.9	
.....	Minimum.....	49	50	43	42	46	39	34	31	32	43	54	33	32	36	31	24	34	31	27	49	50	45	38	37	30	29	29	24	27	.....	36.7	
Ebensburg.....	Maximum.....	46	56	52	69	63	57	34	32	48	54	55	60	43	39	38	28	31	37	63	54	63	63	50	45	36	27	35	28	34	35	.....	45.7
.....	Minimum.....	36	37	37	35	42	29	29	27	27	33	42	27	24	33	24	18	19	28	30	41	45	32	31	20	16	23	18	17	12	.....	28.7	
Emporium.....	Maximum.....	50	58	52	70	63	56	41	37	.....	60	52	48	44	37	33	46	.....	50	49	61	64	.....	50	46	35	36	32	34	35	.....	47.7	
.....	Minimum.....	38	37	36	30	36	36	33	35	.....	29	41	22	36	31	25	25	.....	24	33	41	47	.....	38	30	15	20	25	21	25	.....	31.4	
Ephrata.....	Maximum.....	56	61	58	70	72	56	43	46	53	58	63	61	46	43	45	41	46	51	51	52	57	72	60	50	44	35	36	38	37	38	.....	51.4
.....	Minimum.....	45	40	41	34	45	42	39	37	35	32	47	45	38	40	40	32	28	36	24	33	47	43	38	43	32	21	29	30	25	28	.....	36.6
Erie*.....	Maximum.....	53	57	53	70	63	46	40	38	46	53	67	47	45	42	34	31	44	41	52	55	64	62	41	42	39	36	39	33	37	45	.....	47.3
.....	Minimum.....	43	19	15	49	45	46	36	36	34	34	43	47	34	32	34	27	25	28	36	33	41	41	43	41	38	24	32	32	23	28	.....	35.5
Franklin.....	Maximum.....	52	59	55	71	60	40	37	36	44	55	62	47	53	42	33	33	39	38	55	51	65	62	44	42	37	38	35	30	35	48	.....	46.6
.....	Minimum.....	37	41	42	30	31	37	34	33	35	35	39	38	26	27	28	26	24	32	23	23	40	42	35	39	32	20	22	24	24	27	.....	31.6
Freeland.....	Maximum.....	45	46	52	70	66	56	37	32	44	46	53	53	42	40	38	34	33	35	43	49	46	63	43	41	38	24	29	29	29	33	.....	43.0
.....	Minimum.....	35	31	33	53	38	31	26	29	23	30	37	38	32	33	23	21	30	24	32	36	39	35	36	22	14	20	23	17	24	.....	29.9	
George School.....	Maximum.....	56	65	63	68	68	61	47	48	52	55	65	63	46	43	48	46	44	47	49	58	55	73	65	50	48	36	37	38	41	43	.....	52.7
.....	Minimum.....	44	49	42	35	44	46	38	36	31	28	41	44	41	40	41	44	29	37	23	33	43	41	33	42	31	20	30	30	25	28	.....	36.0
Gettysburg.....	Maximum.....	55	63	62	70	75	65	49	47	57	58	58	61	52	54	48	45	51	51	49	53	61	71	64	54	44	39	41	38	41	.....	54.3	
.....	Minimum.....	42	49	43	33	46	43	40	37	29	35	43	46	34	40	40	30	28	29	25	42	45	43	38	45	33	21	30	28	26	.....	36.6	
Gordon.....	Maximum.....	50	59	55	69	73	65	40	39	46	51	60	60	44	43	43	37	38	40	46	59	56	67	60	46	43	31	35	34	31	37	.....	48.6
.....	Minimum.....	37	45	34	28	41	40	34	33	32	25	41	41	27	37	37	29	25	37	22	29	43	40	32	38	30	13	25	27	17	29	.....	32.3
Greensburg.....	Maximum.....	54	60	59	73	65	57	45	38	49	60	66	69	53	42	34	30	35	43	61	55	68	68	59	45	38	34	44	31	39	49	.....	50.8
.....	Minimum.....	40	39																														

Daily Temperatures for November, 1940—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum....	53	61	62	66	73	71	46	42	48	53	61	62	49	43	44	43	42	45	43	52	52	68	67	50	48	35	36	37	35	37	....	50.8
	Minimum....	43	36	36	31	30	45	37	35	35	27	42	44	31	38	40	32	28	40	23	30	43	41	34	41	34	15	27	28	23	30	....	34.3
Quakertown.....	Maximum....	54	61	58	66	70	61	49	42	46	52	62	61	51	43	46	44	43	44	43	57	52	68	62	46	45	34	36	36	36	37	....	50.2
	Minimum....	42	47	40	31	40	43	36	24	32	25	37	42	38	38	40	32	27	37	21	28	38	39	34	40	31	17	27	29	21	29	....	33.8
Reading*.....	Maximum....	55	63	59	70	74	60	43	43	51	56	64	63	46	44	46	39	43	47	48	53	54	71	54	48	41	35	37	36	37	45	....	50.8
	Minimum....	46	49	47	40	50	41	38	37	34	35	46	44	40	41	39	28	28	34	29	37	46	43	40	38	27	24	30	28	26	31	....	37.2
Retreat.....	Maximum....	51	51	50	52	63	63	48	43	36	50	59	59	39	42	44	40	40	38	43	49	49	58	58	45	42	28	35	35	34	31	....	45.8
	Minimum....	44	44	34	31	41	42	33	33	32	27	44	36	29	37	39	26	26	35	25	31	29	39	34	40	28	17	24	27	19	29	....	32.5
Ridgway†.....	Maximum....	51	56	52	69	63	39	36	35	43	56	68	48	51	36	32	30	36	37	55	47	64	63	43	40	34	38	37	30	34	46	....	45.5
	Minimum....	39	43	33	26	26	36	31	31	28	28	39	39	22	25	29	25	22	27	19	21	40	41	32	36	29	14	17	23	21	24	....	28.9
Scranton*.....	Maximum....	51	60	55	65	71	58	36	35	43	52	61	62	42	43	43	35	41	41	48	50	51	66	45	45	38	35	35	31	33	38	....	47.0
	Minimum....	43	46	45	36	44	36	32	32	31	31	46	36	33	38	35	26	26	34	31	36	36	45	43	37	22	17	24	25	20	31	....	33.9
Selinsgrove.....	Maximum....	53	62	60	67	72	67	42	43	49	54	69	62	51	43	42	40	41	44	48	54	56	68	63	50	44	37	37	35	32	38	....	50.8
	Minimum....	42	49	38	31	46	41	36	36	30	29	42	44	30	37	38	30	27	40	22	34	44	42	36	41	29	18	26	29	23	30	....	34.7
Somerset.....	Maximum....	46	55	52	66	60	58	34	33	47	58	59	59	40	38	33	24	31	41	57	55	62	60	54	47	35	27	37	37	33	39	....	45.6
	Minimum....	28	44	39	28	40	32	29	27	25	35	44	35	21	32	24	18	20	28	16	30	41	48	28	35	27	16	24	17	18	11	....	28.7
Springs.....	Maximum....	46	55	55	67	61	55	35	31	48	56	59	59	38	37	31	24	30	40	58	55	62	58	52	48	34	28	39	26	35	38	....	45.2
	Minimum....	35	44	39	32	44	31	29	27	25	31	43	27	23	31	21	18	21	28	20	30	43	41	32	33	20	18	25	17	19	18	....	28.8
State College.....	Maximum....	50	58	53	69	68	49	38	38	45	54	60	49	41	40	36	32	38	40	48	55	60	63	46	44	36	31	35	29	37	37	....	46.1
	Minimum....	43	45	44	37	49	37	35	33	30	36	47	37	30	32	29	25	27	32	25	36	45	46	37	35	24	18	29	23	25	25	....	33.9
Stroudsburg†.....	Maximum....	51	63	58	69	74	70	45	42	49	50	61	60	45	43	49	47	40	41	45	54	55	69	66	55	40	33	33	37	33	40	....	50.6
	Minimum....	43	45	44	28	39	42	31	33	27	24	50	42	31	36	38	31	26	35	21	26	27	35	34	32	22	14	20	22	30	29	....	31.9
Towanda.....	Maximum....	50	62	58	71	68	61	41	36	46	55	61	63	45	41	38	36	41	40	50	52	53	69	44	48	46	32	36	32	32	38	....	48.2
	Minimum....	40	38	34	27	42	36	29	31	26	26	43	35	25	37	32	28	25	33	24	36	30	41	38	35	22	13	17	18	16	28	....	30.2
Uniontown.....	Maximum....	56	63	63	74	68	60	43	38	48	63	69	68	54	45	35	31	35	50	61	60	70	68	58	48	40	35	45	32	39	55	....	52.5
	Minimum....	46	48	43	36	52	38	35	32	29	39	51	40	29	34	27	22	27	31	24	37	48	55	36	40	31	27	32	23	25	24	....	35.4
Vandergrift*.....	Maximum....	55	63	60	74	65	52	42	40	46	60	70	50	52	39	38	33	42	45	60	56	69	69	48	45	40	38	46	34	40	52	....	50.8
	Minimum....	42	49	39	34	50	32	34	36	35	40	50	30	26	34	31	24	30	25	28	36	46	41	40	36	27	28	30	22	22	24	....	33.9
Warren.....	Maximum....	49	57	55	70	61	50	36	34	49	54	61	61	51	39	35	32	36	37	57	48	63	61	42	42	35	31	36	30	38	38	....	46.2
	Minimum....	42	41	36	30	40	33	32	32	29	34	45	35	26	29	27	23	23	34	24	28	38	40	37	35	22	15	28	20	21	25	....	31.1
Waynesburg.....	Maximum....	55	67	63	73	65	57	43	38	52	59	68	66	54	47	36	31	36	49	62	60	68	68	60	47	40	35	45	37	40	52	....	52.4
	Minimum....	41	48	42	35	50	36	33	31	24	38	49	40	25	33	26	19	28	29	21	38	46	53	33	38	31	24	30	22	25	23	....	33.7
Wellsboro.....	Maximum....	58	58	53	68	65	57	36	34	43	53	57	57	43	40	34	33	36	38	45	59	51	65	45	44	36	31	33	30	33	35	....	45.5
	Minimum....	40	46	35	26	42	34	30	29	27	27	40	33	25	32	30	25	25	32	25	36	38	44	36	35	23	12	24	24	22	22	....	30.6
West Chester.....	Maximum....	58	64	59	68	70	60	43	46	51	58	64	60	45	42	46	42	45	60	49	57	57	73	61	48	47	47	33	38	36	40	....	51.6
	Minimum....	40	49	43	37	47	42	38	36	35	32	44	43	40	39	40	31	27	36	26	38	46	46	38	43	31	20	31	29	24	27	....	36.4
Wilkes-Barre†.....	Maximum....	51	63	59	66	72	56	38	37	45	53	61	62	42	43	43	36	39	40	48	19	52	68	48	47	40	35	36	34	34	40	....	47.9
	Minimum....	38	40	39	32	40	37	31	32	28	30	42	31	31	39	34	27	26	34	29	34	34	37	38	36	18	16	29	16	16	29	....	31.4
Williamsport.....	Maximum....	51	62	57	58	70	57	40	40	49	53	69	63	49	44	40	36	38	41	48	50	51	68	63	48	42	32	35	34	30	34	....	47.9
	Minimum....	42	48	38	30	41	39	35	35	27	30	46	44	28	39	34	30	27	38	25	33	43	43	39	40	31	18	25	28	23	27	....	34.2
Williamstown.....	Maximum....	50	59	65	69	72	72	44	38	43	49	58	58	48	40	40	38	40	40	48	57	54	67	68	52	44	37	32	32	31	36	....	49.4
	Minimum....	39	43	41	41	52	37	32	30	27	33	35	37	34	34	34	26	32	36	25	34	43	43	37	38	30	16	23	22	21	25	....	33.3
York.....	Maximum....	56	62	59	70	74	66	48	44	52	63	63	60	49	44	44	43	47	52	52	58	63	71	61	51	47	36	38	38	38	38	....	52.9
	Minimum....	54	49	41	32	44	43	41	39	30	31	46	46	35	39	42	33	29	36	24	34	46	43	36	44	33	19	31	30	26	24	....	36.7

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. ‡ 1:30 a. m. to 1:30 a. m. †, ‡, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)				Wind				Relative humidity			
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:40 p. m.
Erie.....	30.16	30.55	19	29.53	11	11.1	28	se.	11	78	74	79
Harrisburg.....	30.14	30.66	19	29.70	5	9.0	43	se.	23	77	59	68
Philadelphia.....	30.14	30.68	19	29.66	27	13.4	38	se.	12	80	59	73
Pittsburgh.....	30.13	30.55	18	29.63	27	12.4	34	n.w.	6	75	64	

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER
HARRISBURG, PA.

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No. 12.

GENERAL SUMMARY.

With the exception of the first six days, the past month was exceptionally mild. It was the 8th warmest December ever recorded in Pennsylvania and the warmest since 1931. There were several brief cold spells during the month at scattered intervals, but for the most part there was a steady accumulation of temperature values in excess of the normal. Every station in the State had temperature averages above the normal, the excess being greatest over the Southeastern and Southwestern sections. Sectional averages were:— Erie 36°, Plateau 33°, Southwest 40°, Mountains 35°, and the Southeast 38°. The warmest days occurred during the middle and latter half of the month. Since January 1st, the deficiency in temperature has been 596° or an average daily departure of -1.6° for the year, normal being 50.2°.

Precipitation during the month was normal and well distributed, the heaviest occurring on the 16th and again on the 28th, when moderately heavy rain fell. Snowfall occurred mostly during the first week. Because of the generally mild temperatures thereafter, most of the precipitation fell as rain. Precipitation was deficient over the central and eastern counties, but was ample for ground moisture. Sectional averages were:— Erie 2.86 inches, Plateau 3.46 inches, Southwest 3.02 inches, Mountains, 2.86 inches and the Southeast, 2.99 inches. The ground had a moderate snow-cover over central and plateau counties until the 7th, when a gradual reduction took place due to mild temperatures and rains. After the 10th, very little snow remained on the ground. Light thunderstorms occurred over scattered localities of the Southeast on the 29th. Sleet storms were light and scattered. Although the ground was generally frozen during the first week, it was free from frost during most of the month.

The month, as a whole, was favorable for outdoor work. Some plowing was accomplished in southeastern localities. Dandelions were reported in bloom at Midland, Beaver County, on the 28th and in Wayne County, some potatoes, in good condition, were dug as late as December 31st. Winds were light and no severe storms were reported. A slight earth tremor occurred over portions of northeastern Pennsylvania on the 24th, but no damage was reported.

M. I. P.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 88 stations, was 36.0°, which is 4.6° above the 53-year normal for December. The highest monthly mean was 45.8° at Newell, Fayette County, and the lowest was 28.2° at Mt. Pocono, Monroe County. The highest during the month was 68° at Newell, Fayette County, on the 16th, Waynesburg, Greene County, on the 25th and Derry, Westmoreland County,

on the 28th; the lowest was -9° at Mount Pocono, Monroe County, on the 4th. The greatest daily range in temperature was 48° at Somerset, Somerset County, on the 24th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 161 stations, was 3.08 inches, which is also the normal amount of fall for the month. The greatest monthly amount was 4.95 inches at Mariensville, Forest County, and the least was 1.39 inches at at Towanda, Bradford County. The greatest amount recorded in any 24 consecutive hours was 1.86 inches at West Chester, Chester County, on the 28th.

The average snowfall for the State was 3.1 inches, which is 4.7 inches below the 53-year normal. The greatest total snowfall for the month was 12.8 inches at Ebensburg, Cambria County. The greatest fall for any 24 consecutive hours was 5.0 inches, at Warren, Warren County, on the 3d.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	32.5	62	-10	3.14	5.2	9	8	8	15
1889.....	39.6	73	0	2.77	0.9	12	11	9	11
1890.....	27.2	59	-11	3.97	29.4	12	7	8	16
1891.....	38.4	68	-3	4.09	0.3	10	12	8	11
1892.....	27.8	70	-13	1.69	5.7	9	7	9	15
1893.....	32.2	70	-7	3.06	9.4	12	6	11	14
1894.....	32.4	66	-28	3.95	11.9	10	10	9	12
1895.....	34.2	70	-10	3.22	2.3	7	10	9	12
1896.....	30.6	67	-13	1.20	5.4	6	10	9	12
1897.....	33.0	73	-6	3.95	9.6	12	6	8	17
1898.....	29.8	68	-11	2.98	8.7	10	10	8	13
1899.....	31.5	73	-11	3.04	4.4	10	10	11	11
1900.....	31.2	65	-2	2.08	3.9	7	8	9	14
1901.....	29.1	77	-18	5.91	7.6	11	7	9	15
1902.....	28.4	68	-12	5.54	17.3	14	7	7	17
1903.....	25.4	60	-14	2.66	13.2	9	8	9	14
1904.....	25.8	71	-19	2.48	14.4	11	7	7	17
1905.....	33.6	65	-5	2.57	2.2	8	10	7	14
1906.....	30.8	67	-14	3.97	7.6	14	5	5	21
1907.....	33.2	68	-8	4.30	9.8	12	7	8	16
1908.....	32.0	74	-2	2.86	9.4	10	9	8	14
1909.....	27.0	71	-10	3.39	12.7	8	9	8	14
1910.....	24.4	68	-14	2.65	16.0	12	8	6	17
1911.....	36.3	70	5	3.27	5.4	13	7	5	19
1912.....	34.4	74	-8	3.27	8.1	9	9	7	15
1913.....	34.2	66	-7	2.63	7.2	8	9	7	15
1914.....	27.3	69	-28	4.63	13.0	14	8	5	18
1915.....	29.4	70	-7	4.06	13.7	12	6	8	17
1916.....	29.7	73	-12	3.07	10.5	12	11	9	11
1917.....	21.5	52	-28	1.78	15.0	8	10	8	13
1918.....	36.6	72	-1	3.38	3.0	11	9	7	15
1919.....	25.3	66	-23	2.61	9.4	11	9	8	14
1920.....	33.4	68	-7	3.28	3.8	10	7	9	15
1921.....	31.6	66	-11	2.59	7.2	10	8	8	15
1922.....	31.5	69	-9	2.75	7.1	10	10	8	13
1923.....	39.6	71	1	4.99	2.4	14	9	7	15
1924.....	39.8	69	-23	2.13	3.6	11	7	7	17
1925.....	30.7	62	-15	1.72	3.8	10	8	7	16
1926.....	27.3	62	-20	2.58	10.0	12	8	7	16
1927.....	32.7	73	-6	4.41	4.5	13	9	6	16
1928.....	24.4	68	-2	1.16	0.9	6	13	7	11
1929.....	32.2	70	-9	2.77	10.0	12	7	6	18
1930.....	30.0	59	-15	2.29	6.8	10	6	7	18
1931.....	38.1	70	-1	2.85	1.1	11	10	6	15
1932.....	33.3	72	-14	2.19	7.4	12	10	6	15
1933.....	31.7	74	-22	2.88	8.7	12	9	7	15
1934.....	30.7	73	-10	2.55	3.0	10	9	8	14
1935.....	26.3	60	-19	2.62	13.5	16	5	7	19
1936.....	34.5	74	-11	4.19	6.3	11	11	6	14
1937.....	29.7	66	-14	2.45	5.7	10	10	5	16
1938.....	32.2	64	-5	2.56	4.7	11	8	7	16
1939.....	33.9	68	-8	2.24	6.0	11	7	6	18
1940.....	35.9	68	-9	3.08	3.1	12	7	7	17
Period.....	31.4	77	-28	3.08	7.8	10	8	8	15

Climatological Data for December, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days			Prevailing direction of wind	Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation in or more	Clear			Pt. cloudy	Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	260	28	35.2	+2.9	60	29	9	4	36	3.73	+0.22	1.57	2.5	10	14	11	6	s.	John A. Frick.
	Altoona.....	Blair.....	1,615	53	34.8	+4.7	53	13†	-3	4	28	3.35	+0.61	0.97	4.3	13	15	6	10	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	330	20	37.8	+3.4	61	25	8	4	31	2.83	-0.91	0.96	3.6	11	6	10	15	.....	H. L. Balderston.
	Arendtsville.....	Adams.....	710	18	37.8	+4.5	61	10	6	4	36	3.15	-0.07	1.02	0.5	11	14	9	8	nw.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,100	8	38.0	.....	61	7	4	4	16	2.55	.....	0.65	2.0	9	10	1	20	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	450	54	37.4	+3.7	63	25	8	4	33	3.65	+0.37	1.13	4.2	11	10	4	17	nw.	Lehigh University.
	Bloomsburg.....	Columbia.....	560	14	34.0	.....	54	25	3	4	31	2.82	.....	0.85	2.7	14	15	5	11	.....	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	473	71	36.8	+5.0	58	22	7	4	33	2.63	-0.47	0.76	1.0	9	12	4	15	sw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	600	43	38.4	+5.1	60	10	9	4	34	2.71	-0.25	0.60	1.5	13	7	10	14	ne.	William B. Spear.
	Clearfield.....	Clearfield.....	1,260	39	33.8	+3.8	57	10†	-4	4	42	4.23	+1.15	1.12	5.0	15	8	2	21	nw.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	431	53	36.3	+3.4	59	25†	6	4	32	3.59	-0.40	1.40	3.5	9	2	7	22	uw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	630	28	35.5	+3.8	57	29	5	4	37	2.46	-1.01	1.07	2.3	8	6	17	w.	Win. A. Korer.	
	Emporium.....	Cameron.....	1,050	55	34.0*	+4.6	52*	29	2*	4	30	3.71	-0.49	0.91	3.0	11	9*	0*	21*	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	365	43	38.2	+5.4	60	29	11	4†	33	2.89	-0.23	1.48	2.1	10	11	6	14	n.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,900	47	31.2*	+3.8	56*	25	-1	4	24	2.29	-1.63	0.75	5.1	11	4	1	26	w.	Andrew B. Evansha.
	George School.....	Bucks.....	160	34	37.7	+4.1	64	29	9	4	32	2.76	-0.81	0.98	5.0	10	10	8	13	nw.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	67	39.0	+6.3	59	29	10	4	30	2.86	-0.30	0.98	1.0	7	10	6	15	s.	Dr. Henry Stewart.
	Jordon.....	Schuylkill.....	900	36	34.0	+4.4	62	10†	-4	4	43	3.86	+0.14	1.17	6.0	16	9	2	20	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,890	25	.....	.....	60	25	12	4	30	3.26	+0.21	1.29	1.5	11	10	5	16	s.	Steward W. Eilenberger.
	Hanover.....	York.....	600	36	39.2	+4.4	60	25	12	4	30	3.26	+0.21	1.29	1.5	11	10	5	16	s.	Thomas V. Cooper.
	Harrisburg.....	Dauphin.....	337	71	37.6	+4.9	60	29	11	4	33	2.86	-0.16	0.84	1.5	10	4	10	17	nw.	U. S. Weather Bureau.
	Hawley.....	Wayne.....	900	22	30.9	+2.2	57	25	-7	4	39	2.55	-0.52	0.57	4.3	13	10	10	11	w.	Mrs. Della M. Pennell.
	Holtwood.....	Lancaster.....	200	25	38.0	+3.2	56	29	15	4	25	2.79	+0.11	0.78	4.0	12	8	8	15	nw.	H. W. Lowy, C. E.
	Huntingdon.....	Huntingdon.....	700	53	35.5	+3.7	58	10	2	4	38	3.11	+0.19	0.84	T.	9	7	9	15	w.	Prof. Paul R. Yoder.
	Kiortown.....	Clearfield.....	1,700	11	33.2	+3.9	57	24	2	3†	32	3.54	+1.15	0.95	3.1	12	3	7	21	w.	U. S. Weather Bureau.
	Lancaster.....	Lancaster.....	280	53	36.8	+3.6	61	29	6	6	38	3.10	-0.09	1.20	2.5	11	11	5	15	nw.	Sept. of Water Works.
	Lawrenceville.....	Tioga.....	1,000	43	41.1	+2.3	58	25	-6	4	39	2.30	+0.32	1.00	1.0	9	6	9	16	.....	C. F. Darling.
	Lebanon.....	Lebanon.....	469	56	35.6	+3.4	60	25†	11	4†	36	2.49	-0.85	0.57	0.9	10	12	13	6	sw.	Lebanon Valley Gas
	Lewistown.....	Midlin.....	480	2	37.4	.....	58	10	9	4	34	2.12	.....	0.72	T.	10	7	5	19	e.	Penna. Edison Co.
	Lock Haven.....	Clinton.....	554	50	35.8*	+4.4	56*	10	13†	19	35†	2.97	+0.12	1.10	.....	7	10*	9*	9*	sw.	Jenna Beaver.
	Marcus Hook.....	Delaware.....	50	14	42.0	+2.9	62	28	15	3	35	2.37	-0.33	0.50	1.0	9	19	3	9	sw.	Sun Oil Co.
	Moutrose.....	Susquehanna.....	1,656	35	30.2	+3.6	54	25	3	3	29	3.02	+0.45	0.94	1.5	14	5	6	20	nw.	Philip F. Chamberlain.
Mt. Pocono.....	Monroe.....	1,740	34	28.2	+2.3	55	25	-9	4	37	3.50	+0.24	0.80	1.5	11	4	3	24	nw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	864	28	30.6*	+2.4	56*	29	-7*	4	32	3.10	+0.07	1.01	T.	8	8	6	17	n.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	60	51	38.6	+6.2	63	29	6	4	41	3.01	-0.51	1.07	4.0	10	15	4	12	w.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	22	38.7	.....	59	10	4	4	37	3.71	.....	1.04	0.5	11	8	12	11	w.	J. Earl Saeffer.	
Palmerton.....	Carbon.....	420	22	35.2	+3.3	62	25	2	4	40	1.99	-0.92	0.87	2.3	9	5	8	18	ne.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	69	40.4	+4.1	62	29	14	4	25	2.53	-0.90	0.84	2.9	11	6	10	15	n.	U. S. Weather Bureau	
Phila. Navy Yard.....	Philadelphia.....	20	24	39.8	+3.9	63	29	14	4	26	2.53	-0.91	0.86	1.6	12	12	8	11	w.	Navy Aeronautical Office	
Phoenixville.....	Chester.....	100	30	38.2	+4.4	63	29	8	4	39	3.31	-0.38	1.41	3.5	9	12	13	6	w.	Philadelphia Sub. Water Co	
Port Clinton.....	Schuylkill.....	430	2	35.4	+3.3	58	25	4	4	37	2.89	-0.72	1.02	2.0	13	13	1	17	n.	E. E. Rarick.	
Quakertown.....	Bucks.....	480	55	34.6	+3.2	59	29	4	4	39	3.87	-0.09	1.18	4.0	10	11	8	12	nw.	John E. Benner.	
Reading.....	Berks.....	273	70	38.0	+3.8	61	25	12	4	31	3.40	-0.16	1.81	2.3	11	5	9	17	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	46	33.7	+3.0	56	25	5	4	30	2.11	-0.91	0.99	1.5	8	5	6	20	sw.	U. S. Weather Bureau	
Selinsgrove.....	Snyder.....	420	50	35.5	+3.7	56	10†	8	4	32	3.27	+0.26	0.90	1.5	14	1	10	20	w.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	44	38.4	+3.0	61	29	11	4	31	2.79	-0.74	1.0*	3.1	11	1	11	19	nw.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	7	36.9	.....	57	10	8	4	33	3.22	.....	1.01	1.5	12	6	6	19	w.	State Teachers College	
State College.....	Centre.....	1,217	56	34.6	+4.6	54	25	7	4	29	1.97	-0.70	0.55	0.4	11	4	7	20	w.	Dr. H. Landsberg.	
Towanda.....	Bradford.....	754	46	33.0	+3.9	59	29	-5	4	33	1.39	-0.80	0.65	0.5	11	6	11	14	nw.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,319	70	31.0	+3.0	53	25	-3	4	33	2.22	+0.08	0.83	2.5	13	13	7	11	n.	George W. Hill.	
West Chester.....	Chester.....	440	91	38.2*	+4.8	61*	25	10*	4	31*	3.77	-0.03	1.86	4.5	10	14*	6*	10*	w.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	2	32.8	.....	56	25†	0	4	33	2.72	-0.01	0.92	2.3	14	3	6	22	sw.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	542	54	33.9	+3.0	54	29	4	4	28	2.67	-0.22	0.52	T.	15	8	5	18	w.	Mrs. Veronica A. Keller.	
Williamstown.....	Dauphin.....	1,275	25	34.0*	+2.5	57*	29	6*	4	27*	2.24	-0.63	0.57	2.0	13	7	7	17	nw.	Susquehanna Collieries Co.	
York.....	York.....	400	52	38.6	+5.2	60	29	10	4	34	2.73	-0.20	1.28	2.0	10	10	11	10	s.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	50	32.0	+3.8	59	25	-6	4	43	4.14	+1.12	1.13	3.3	16	4	4	23	.....	Frank S. Fawcett.
	Butler.....	Butler.....	1,077	27	38.0	+6.2	62	16	1	4	39	3.34	+0.33	0.73	5.5	14	6	6	19	w.	William C. Faust.
	Chambersville.....	Indiana.....	1,061	39	.....	.....	64	25	1	4	37	3.31	+0.35	0.77	2.3	14	9	6	16	s.	John E. Lewis.
	Claysville.....	Washington.....	1,150	35	38.6	+5.6	64	25	1	4	37	3.31	+0.35	0.77	2.3	14	9	6	16	s.	J. L. Melvin.
	Corry.....	Erie.....	1,430	27	31.4	+2.8	61	25	6	3	36	3.25	-0								

Daily Precipitation for December, 1940

Stations	Drainage Basin	Day of month																															Total.					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
Atlantic Drainage																																						
Allentown ²	Lehigh			T.		.10	.15		.05				.11			.13	1.57														T.	.13	.59	.80	.10	T.	3.73	
Altoona	Juniata			.07	T.	.17	.17					.07	.17			.59	.17				.07										.54	.14	.97	.04	.28		3.35	
Ansonia ²	W. Br. Susq.	.21	T.	T.		.06	.08	.07				.04	.27			.29	.18	T.													.06	.67	1.01	.12	.13	T.	2.61	
Ardmore ³	Lower Del.			T.		.03	.39	T.					.03	.02			.90					.01									.20	.01	.96	.20	.08		2.83	
Arendtsville ²	Lower Susq.					.15		.02					.09	.03			.33	.64													.40	1.02	.36	.06	.03		3.15	
Baker's Summit	Juniata					.14							.22	.04			.60	.07													.61		.65	.18	.09		2.60	
Bald Eagle ¹	Middle Susq.	.05			.04		.25						.14	.08	.04		.91														.48	.20	.50	.26			2.95	
Bodford ²	Juniata	T.	T.	T.		.20							.34	.03			.20	.26					T.								.65	T.	.52	.15	.20	T.	2.55	
Bellefonte	W. Br. Susq.																																					
Berwindale ¹	W. Br. Susq.	.09			.17	.10	.53						.37	.06			.78														.59	.47	.74	.07	.11		3.88	
Bethlehem	Lehigh			.01		.31			.08				.11			1.00	.56						T.								.09	.66	1.13	.25	.05		3.65	
Big Knob ²	Susquehanna	.05		T.		.01	.05		.04				*			.25	.86					.01									.11	.42	.65	.30	.21	.04	3.16	
Bloomsburg	Susquehanna			.02		.20	.03						.17			.80							.03		.05							.13	.04	.80	*	.60		2.82
Blosserville	Lower Susq.			.01		.09	.02					.01	.10			.61	.04					.12									.86	.01	.88	.75	.15		3.68	
Buffalo Mills ²	Potomac					.17							.17			.23	.22														.75		.54	.12	.04		2.24	
Carlisle	Lower Susq.					.13							T.	.07		.76	.03					T.	T.								.38	.03	.75	.46	.02		2.63	
Carter Camp	W. Br. Susq.	.06			.09	.07		*	*	*	*	.60	.52	.09		.72	.05						.03								.23	.38	.69	.40	.02		3.95	
Centre Hall	Susquehanna	T.				.50							.11			.54	.17														.25	.03	.65	.27	.03		2.44	
Chambersburg ²	Potomac			T.		.05	.05		.04				T.	.11	.03	.35	.51						.04								.56	.09	.60	.21	.07		2.71	
Clearfield ²	W. Br. Susq.	.11	T.	.10		.13	.08	.16	.18				T.	.35		.51	.47	T.	T.				T.			T.					.30	.35	1.12	.10	.18	.09	4.23	
Coatesville	Lower Del.					.35	.15						T.	.11		1.04															.17	.05	1.40	.20	.12		3.59	
Colebrook	Lower Susq.			T.	T.	.16		.08					T.	.11		1.07	T.					T.	T.								.08		.61	.32	.03		2.46	
Coushohocken	Schuylkill			T.		.31		.03					.09	.02		.59	.18														.17	.03	.87	.16	.10		2.55	
Covington ²	N. Br. Susq.	.25				.20		.10	.10				.65	.20		.20	.20						.05								.05	.08	.70	.10	.10		2.18	
Dorlstown	Lower Del.					.47		.08					.12			.80	.32															.13	.02	.96	.15	.04		3.09
Driftwood ¹	W. Br. Susq.	.03	.04		.05	.03	.38					.22	.04			.50						.03	.04								.21	.41	.57	.22	.12		2.95	
Du Bois	W. Br. Susq.	.14	.06		.05	.08	.43					.02	.38			.55	T.														.10	.01	.92	.18	.13	T.	3.05	
Emporium	W. Br. Susq.				.10	.20	.52					.11	.41			.57	.14														.32		.91	.32	.12		3.71	
English Center ¹	W. Br. Susq.	.04			.05	*	*	*	.24	.03		.18	.03			.72	.05														.09	.23	.98	.33			2.90	
Ephrata	Lower Susq.					.22	.07	T.					T.	.12		1.48	.03														.03	.02	.65	.17	.07		2.89	
Fredericksburg ²	Schuylkill			T.		.09	.13		.07				T.	.13	T.	.22	1.50						T.	T.								T.	.12	.50	.37	.19	.01	3.33
Freeland ²	Lehigh			.23	.06	.14	.04		T.					.22		.02																.10	.35	.35	.76	T.	2.29	
Galeton	N. Br. Susq.	.12	T.		.09	T.		.49					.07	T.		.48	.02														.18	.04	.90	.32	.02		2.73	
George School	Lower Del.			T.		.42		.06					.09			.50	.47														.10	.02	.98	.11	.01		2.76	
Gettysburg	Potomac			T.		.10		T.	T.				T.	.02		.98	T.														.57	.03	.60	.54	T.		2.86	
Girardville ²	Lower Susq.	.07		.12		.16	.04		.07				.18			.04	.65	T.				T.	.12	.01	.01						.02	.68	.40	.35	.52	T.	2.84	
Gordon	Lower Susq.	.02		.14		.17		.01					.02	.17		.57	.10	T.					.02	.02							.03	.10	.62	.46	.30		3.86	
Gouldsboro ²	Lehigh			.01	T.	.07		.02					.01	T.		.69	T.					T.	T.									T.	.11	.90	.34	T.	T.	2.15
Graterford	Schuylkill					.40							.03			.68																.11	.24	.93	.09	.26		2.74
Hanover	Lower Susq.	T.			.15		T.	.02					T.	.05	.04	.12	.03														.27	.21	.72	.45	.03		3.26	
Harrisburg ¹	Lower Susq.			T.	T.	.13		.03					.09			.50	T.					.01	T.								.35	.05	.79	.57	.04		2.86	
Hawley ²	Upper Del.	.12		.04	T.	.09	.10	.03	.02				.05			.07	.57	T.				T.	.10									.24	.36	.33	.46			2.55
Hollisterville ²	Upper Del.			.06	T.	.05	.04	T.	T.				.02			.02	.84	T.				.02	.05	T.	.01							.19	.54	.19	.27	.02		2.39
Holtwood ²	Lower Susq.			T.		.08	.25		.05				.07	.02		.29	.78															.02	.15	.60	.43	.05	T.	2.79
Huntingdon	Juniata			T.		T.							.14	.02		.84	.03															.45	.01	.73	.11			3.11
Huntsdale ¹	Lower Susq.			T.		.07		T.					.12	.06		.80																.12	.21	.14	.48	.60		3.69
Hyndman ²	Potomac	T.			.04	T.	T.						.18	.04		.32	.29															.86	T.	.46	.13	.06	T.	2.38
Kylertown ¹	W. Br. Susq.	.02	.13	T.	.12	.07	T.	.26					.17	T.		.67	T.															.52	.35	.95	.21	.07	T.	3.54
Lakeville ²	Upper Del.	.18	T.	.02		.08	.09		.03																													

Daily Precipitation for December, 1940—Continued from page 69

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Selinsgrove.....	Lower Susq.....					.10		.06					.04	.10			.74	.17			.11		.06				.18	.04	.90	.62	.12	.03	3.27	
Sellersville.....	Lower Del.....				.04	.41		.09					.08	.05		.02	.47										.12	.02	1.15	.23	.05		3.73	
Shade Gap.....	Middle Susq.....				.02	.35							.14	.11			.81										.70	.25	.25	.20			2.53	
Shawmont.....	Schuylkill.....			T.		.04			.06				.09	T.			.48	.40			.01						.14	.02	1.08	.15	.02		2.79	
Shippensburg.....	Lower Susq.....			T.		.11		.04	T.				.02	.12			1.01	.03			.04						.67	.05	.85	.26	.02		3.22	
South Mountain.....	Potomac.....					.05	.07						.07	.01			.27	.66									.37	.33	.39	.25	.12	T.	2.59	
State College ³	W. Br. Susq.....	.01	T.	T.	T.	.01		.09					.06	.07		T.	.51	T.		T.	T.	T.	T.	T.			.34	.19	.55	.09	.05		1.97	
Sunbury ²	Lower Susq.....	.04				.02	.12	T.	.05				.13	T.		.19	.66			T.	.08	T.	T.	T.			.01	.14	.66	.45	.39	.03	2.97	
Susquehanna ²	N. Br. Susq.....	.15		.03		.07	.05		.04				.06	.24		.04	.40	.02					T.	T.				.01	.13	.60	.40	.24	T.	2.47
Towanda.....	N. Br. Susq.....	T.	T.	.02		T.		.01					.05	.04		.23	.08			T.	T.	T.	T.				.07	.01	.65	.21	.02	T.	1.39	
Wellsboro ²	N. Br. Susq.....	.10		.03		T.	T.	.04	.07				.01	.25		.22	.24	T.			T.	T.					.06	.06	.83	.06	.25	T.	2.22	
Wernersville ² [nr]	Schuylkill.....						.17	.06					.14				1.44										.02	.58	.46				2.87	
West Chester.....	Lower Del.....			T.		.40		.01	.04				.11	T.		.80	.21					T.	T.				.05	T.	1.86	.12	.17		3.77	
West Grove ²	Lower Del.....			T.		.04	.31		.09				.09			.14	.73					T.					.05	.04	.67	.76	.17	.02	3.11	
Wilkes-Barre ²	N. Br. Susq.....	T.	.12	T.	.04	.05		.06					.12	T.		.81	.02				.12	.04	T.				.11	.06	.92	.21	.04		2.72	
Wilkes-Barre ²	N. Br. Susq.....	.03		.04		T.	.07	.07					.21			.11	.67				T.	.02	T.				T.	.09	.39	.50	.19	T.	2.38	
Williamsport ²	W. Br. Susq.....	.05				T.	.01	.05	.17				.16			.20	.52				.01	.02		T.				.04	.16	.51	.43	.33	.01	2.67
Williamstown.....	Lower Susq.....					.05		.04	T.				.01	.13		.50	.04	.08			.04							*	.70	.57	.08		2.24	
York.....	Lower Susq.....					.15			.02				.07			1.28	.02											.18	.04	.68	.28	.01		2.73
York Haven ²	Lower Susq.....					.04	.07		.02				.10	.08		.22	.78										.10	.15	.86	.30	.18	.03	2.91	
Zionsville (near) ²	Schuylkill.....					.32	.52		.03	1.65			T.			.03	1.65							T.				.04	.75	.52	.46	.08	4.37	
Trenton, N. J. ¹	Lower Del.....		T.	T.	T.	.31		.05					.01	.08		.86	T.				T.		T.				.17	T.	1.32	.19	.03		3.02	
Ohio Drainage																																		
Acmetonia ²	Allegheny.....	.10	T.	.04		.09	.02	.25	.21				T.	.36		.36	.03				.01						.10	.02	.94	.28	.49	.16	3.46	
Beaver Falls ²	Beaver.....	.11	T.	.05	T.	.04	.01	.06	T.				T.	.39		.47	.08	T.									.01	T.	1.11	.17	.40	.02	2.92	
Blairsville ²	Allegheny.....	.13	.01	.02	.01	.09	.09	.21	.16	T.			T.	.29	.06		.28	.09	T.			.02	T.	T.	T.			.29	.01	.75	.24	.30	.08	3.13
Bradford.....	Allegheny.....	.05	.05	.25	.10			.50	T.				.33	.62		.60	.05						T.				.09	T.	.72	.46	.20	T.	4.12	
Brookville ²	Allegheny.....	.30	.02	.09		.17	.01	.28	.13				.08	.69		.42	.15										.05		1.13	.14	.43	.05	4.14	
Buckstown ¹	Allegheny.....	.01			.20	.12		.07					.10	.13		.46					.03						.26	.17	.43	.01	.09		2.12	
Butler ²	Ohio.....	.14	*	.05	*	.12		.30					*	.38		.14	.47	.02									.05		.60	.73	.48		3.34	
Chambersville.....	Allegheny.....					.21	.04	.22	.16				.12	.75	.01	.40	.21	.01										.05	.03	1.42	.14	.40	.07	4.61
Clarion ²	Allegheny.....	.33		.04		.01	.04	.55					.07	.38	T.	.30	T.			.08							.30	.11	.08	.77	.67	.20	T.	3.31
Claysville.....	Youghiogheny.....	.01		.03		.09	.10	.04	.10				.07	.37	T.	.30	T.			.08							.28	.01	.70	.20	.37	.06	2.90	
Connellsville ²	Monongahela.....	T.	T.	.04		.08	.05	.05	.07				.18	.10		.11	.04	T.	T.	.11	.05	T.	T.	T.	T.		.02	T.	.41	.27	.45	.04	2.07	
Coraopolis ²	Ohio.....	.08		T.		.03	T.	.25	.05				.34			.38	.02										.03		1.31	.24	.43	.05	3.21	
Corry.....	Allegheny.....	.20	.05	.25	.20	.02		.30					.40	.60	T.	.05	.30	.05										.02	.52	.22		.07	3.25	
Coudersport.....	Allegheny.....	.32	.06	.12	.08	.11		.57					.15	.51		.50	.12										.17		.68	.27	.10	.02	3.78	
Derry.....	Conemaugh.....		.08	.16		.20		.36					.02	.24		.27	T.				.08						.11		.25	.14	.46		2.42	
Donora ³	Monongahela.....	T.	T.		.06	.08		.35					.16	.09		.37	T.			.07							.02	.06	.24	.51	.37	.21	2.59	
Dunlot.....	Allegheny.....	.08		.09	.12	.03	.10						.14	.07		.52	.02			.10							.11	.34	.22	.42	.04	.25	2.63	
Ebensburg.....	Conemaugh.....	.13	*	.30	*	.30		.37					.17	.10		.52	.02			T.	T.							*	.48	1.35	.09	.36	4.19	
Franklin ²	Allegheny.....	.22	T.	.12		.17	.02	.24	.04				.12	.81		.38	.26			.08	T.	.25					.08	T.	.91	.28	.25	T.	3.90	
Greensburg ²	Monongahela.....	.01	T.	.04		.05	.07	.09	.15				.12	.30	.14	.21	.05			.08	.10						.10	T.	.35	.33	.33	T.	2.40	
Greensburg.....	Youghiogheny.....	.05	.01	.08	.02	.08	T.	.49	.01				.08	.37		.29	.01			T.	.12	T.	T.	T.			.15	.13	.73	.36	.49	T.	3.47	
Greenville.....	Beaver.....																											.02	.89	.31	.43		3.49	
Grove City.....	Beaver.....	T.	.08	.06	.16	.02		.14					.51	.12		.58	.17											.07	T.	.61	.40	.31	.02	2.60
Irwine.....	Monongahela.....	.04	T.	.02	.02	.12		.42					.06	.17		.29	T.			.05							.07	T.	.61	.40	.31	.02	2.60	
Johnstown.....	Conemaugh.....	.17	.04		.03	.17		.06					.06	.27		.56	.07			.02	.05						.31	.25	.39	.08	.34		2.87	
Kane ¹	Allegheny.....	.10	.12	.11	.16	T.	T.	.29	T.				T.	1.24	T.	.67	.28			.02	.05		.02	.06			.13	.56	.43	.17	.25	T.	4.59	
Kregar ²	Youghiogheny.....																																	
Lake Lynn ²	Monongahela.....			.04		.01	.08	.02	.10					.36	.10		.17	.02			.03	.09					.11		.26	.25	.42	T.	2.66	
Linesville ²	Beaver.....																																	
Lock No. 4 ²	Monongahela.....	.07	T.	.02		.12	.05	.14																										

Daily Temperatures for December, 1940

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Allentown.....	Maximum.....	43	36	26	32	35	45	43	40	48	42	46	46	38	36	41	37	46	40	41	46	46	44	47	59	59	48	60	45	44	43.3			
.....	Minimum.....	31	21	21	9	12	11	14	20	29	26	31	34	35	27	23	25	34	21	21	22	32	35	35	23	27	40	45	37	31	27.1			
Bedford.....	Maximum.....	49	40	38	26	35	38	61	55	51	55	52	40	50	39	46	41	45	36	40	50	49	52	45	51	58	63	49	51	43	46.0			
.....	Minimum.....	33	26	14	4	22	15	15	32	28	51	29	30	38	30	32	36	29	26	16	36	40	39	35	16	18	43	45	45	43	30.1			
Bethlehem.....	Maximum.....	44	36	35	27	34	35	45	41	40	48	47	42	46	40	38	38	44	42	45	42	41	41	46	48	60	48	48	48	57	41.2			
.....	Minimum.....	32	20	20	8	24	16	22	37	29	29	34	35	38	27	22	34	35	24	23	35	36	36	23	30	38	40	43	44	37	30.5			
Bloomsburg.....	Maximum.....	43	35	35	27	38	28	41	41	42	53	45	44	44	37	37	43	40	39	42	42	41	41	45	47	51	49	47	48	48	41.2			
.....	Minimum.....	32	18	15	3	25	6	11	30	28	22	20	33	35	22	19	32	31	18	32	32	34	39	15	20	29	41	44	48	31	26.1			
Brookville.....	Maximum.....	37	27	20	31	34	40	43	33	45	51	41	54	36	37	42	50	33	32	40	46	40	35	45	53	59	51	51	53	51	41.1			
.....	Minimum.....	23	20	-5	-6	4	9	13	31	26	24	31	31	34	19	21	28	21	13	13	33	31	32	16	16	20	39	42	46	30	22.8			
Butler.....	Maximum.....	50	33	29	27	33	33	48	44	51	51	52	55	36	50	62	55	31	47	50	48	45	44	60	60	58	55	60	61	40	35	47.1		
.....	Minimum.....	30	21	11	1	25	14	26	28	28	40	33	38	35	22	28	40	27	29	18	38	36	30	31	28	21	35	48	48	49	22	28.8		
Carlisle.....	Maximum.....	42	35	38	28	38	38	40	16	44	56	50	41	46	39	39	38	44	43	42	49	41	58	51	48	53	48	49	50	56	48	45.1		
.....	Minimum.....	34	24	19	7	27	14	22	28	26	24	30	30	35	28	26	33	34	22	17	33	35	25	29	17	21	35	44	45	47	37	28.5		
Chambersburg.....	Maximum.....	47	42	38	27	39	38	48	46	49	60	49	42	51	41	41	38	44	42	42	49	46	58	51	48	58	48	48	50	43	45	46.0		
.....	Minimum.....	36	26	20	9	26	21	24	35	31	26	31	32	38	30	29	34	34	26	20	32	38	29	37	20	24	42	45	44	38	35	30.9		
Chambersville.....	Maximum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....			
.....	Minimum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....			
Claysville.....	Maximum.....	52	36	31	32	39	45	49	41	50	55	46	55	56	41	51	63	56	35	47	49	48	42	42	59	64	56	58	59	58	38	48.0		
.....	Minimum.....	28	20	8	1	28	14	29	29	24	40	24	37	31	23	27	41	27	28	22	39	35	30	32	22	29	45	48	47	35	31	29.2		
Clearfield.....	Maximum.....	44	30	24	28	36	40	43	38	45	57	41	44	53	37	42	43	44	35	38	46	43	36	49	57	56	48	49	53	51	39	34	42.7	
.....	Minimum.....	30	20	10	-4	20	15	14	28	27	22	29	33	29	19	20	31	25	16	15	30	32	31	24	15	20	36	42	44	30	30	29	24.8	
Coatesville.....	Maximum.....	48	38	34	31	36	37	48	45	39	51	46	44	54	37	47	49	49	38	41	45	48	50	44	46	59	51	51	50	59	50	43	45.1	
.....	Minimum.....	32	21	16	6	25	11	17	31	26	23	29	34	32	23	22	32	31	20	20	29	34	30	27	20	27	35	40	43	44	35	32	27.2	
Corry.....	Maximum.....	31	23	29	30	40	41	27	41	40	46	40	36	49	32	42	50	30	32	41	14	14	31	33	47	56	61	51	50	58	51	31	31	40.1
.....	Minimum.....	16	11	6	10	15	17	11	15	22	23	27	28	39	18	15	21	16	14	15	32	29	29	24	25	25	43	44	46	29	28	27.7		
Coudersport.....	Maximum.....	43	26	23	24	27	31	43	37	39	45	37	39	46	30	40	41	41	29	31	36	40	48	46	55	56	51	48	52	39	34	39.5		
.....	Minimum.....	19	9	-1	-5	10	5	21	23	22	21	25	30	26	13	12	27	20	9	16	14	19	21	28	4	20	28	36	42	35	27	19.3		
Douora*.....	Maximum.....	55	37	24	35	37	46	49	40	51	57	45	58	58	44	56	65	41	37	50	51	48	48	53	59	63	59	62	58	49	38	48.9		
.....	Minimum.....	25	24	11	11	27	23	39	33	31	32	32	45	35	31	36	41	32	30	23	44	38	35	33	27	30	49	52	54	40	33	33.2		
Ebensburg.....	Maximum.....	45	31	21	28	32	37	42	42	44	49	38	48	52	37	45	47	48	32	38	45	43	39	42	60	57	48	49	51	51	39	32	42.3	
.....	Minimum.....	18	17	7	-5	23	13	19	25	25	30	29	33	29	22	24	34	23	13	32	30	28	28	20	23	40	43	42	35	28	25	24.7		
Emporium.....	Maximum.....	47	37	33	26	33	35	45	43	38	48	45	42	49	43	40	44	46	34	38	46	.....	43	44	46	43	50	50	51	52	46	37	42.5*	
.....	Minimum.....	30	20	10	2	21	12	15	30	28	25	31	34	31	20	17	30	29	16	14	31	.....	29	31	14	20	31	41	46	46	31	25.5*		
Ephrata.....	Maximum.....	46	41	36	30	35	35	48	47	44	57	44	45	49	40	39	47	49	45	45	45	48	51	50	50	59	51	51	51	60	51	45	46.3	
.....	Minimum.....	34	25	21	11	27	11	26	32	27	28	31	34	36	28	25	35	34	23	22	33	32	32	32	21	26	35	43	46	48	37	36	30.0	
Erie*.....	Maximum.....	41	28	23	30	32	48	48	33	48	49	37	51	37	29	39	58	33	36	44	46	40	36	36	55	61	55	53	54	43	35	34	41.7	
.....	Minimum.....	24	23	14	12	27	23	33	27	27	34	23	33	21	20	25	31	26	27	26	40	32	31	31	31	41	50	38	39	34	29	33	29.5	
Franklin.....	Maximum.....	33	29	19	33	34	42	46	31	47	49	39	55	36	37	46	54	33	36	44	48	39	37	47	55	59	59	53	55	52	34	34	42.4	
.....	Minimum.....	27	22	14	6	15	20	29	27	28	32	33	34	20	24	28	28	19	20	38	31	34	21	23	21	23	21	42	45	47	32	31	26.9	
Freeland.....	Maximum.....	29	26	20	30	30	37	39	34	41	41	36	46	32	32	32	37	41	33	35	40	40	44	38	45	56	47	49	46	50	50	32	38.2*	
.....	Minimum.....	26	11	7	-1	19	10	17	28	21	25	26	30	28	15	21	18	22	17	21	29	32	29	28	24	32	41	40	40	43	28	26	24.3	
George School.....	Maximum.....	49	42	34	32	35	35	48	47	41	51	47	48	53	40	37	44	51	42	41	50	50	51	47	48	59	55	47	49	64	58	47	46.5	
.....	Minimum.....	36	19	22	9	29	13	16	30	20	24	31	38	28	24	34	35	20	23	31	31	36	35	19	27	33	41	44	45	37	35	28.9		
Gettysburg.....	Maximum.....	48	43	43	32	39	39	46	45	45	57	55	43	55	42	41	41	45	43	41	46	48	56	53	49	56	51	53	51	59	53	47	47.3	
.....	Minimum.....	34	24	20	10	28	16	24	35	28	36	30	32	40	30	27	35	33	24	20	32	30	26	30	19	34	41	45	45	47	39	35	30.6	
Gordon.....	Maximum.....	41	34	33	24	36	33	40	38	39	62	46	39	42	35	37	39	40	40	39	42	42	45	42	48	62	49	53	49	55	55	37	42.5	
.....	Minimum.....	29	20	16	-4	22	4	17	30	24	21	22	33	34	20	17	33	31	16	16	31	32	30	34	16	19	32	42	42	45	33	32	25.5	
Greensburg.....	Maximum.....	54	36	27	34	35	45	49	42	50	56	43	57	58	43	55	65	59	35	50	49	48	47	45	59	65	58	57	60	55	39	35	48.7	
.....	Minimum.....	30	24	11	5	31	17	34	33	31	39	33	39	34	27	30	41	30	30	22	36	37	33	35	25	28	48	49	51	37	32	32	31.7	
Greenville.....	Maximum.....	.....	.....	.....																														

Daily Temperatures for December, 1940—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum.....	44	37	37	27	33	33	40	41	38	48	48	42	47	39	38	40	45	40	40	41	42	48	42	44	58	50	50	49	57	57	40	43.1
	Minimum.....	29	24	20	4	26	9	16	31	28	24	30	33	37	25	19	33	34	21	17	33	32	33	35	16	21	30	41	44	46	36	35	27.8
Quakertown.....	Maximum.....	43	37	35	28	34	32	44	43	37	48	42	41	50	41	37	39	49	38	38	43	45	47	41	45	56	48	49	48	59	56	42	43.1
	Minimum.....	33	19	11	4	28	8	5	29	27	20	30	29	32	25	19	32	30	19	17	30	30	32	34	17	23	30	40	43	45	35	35	26.1
Reading*.....	Maximum.....	46	39	33	31	35	53	48	44	41	55	44	47	49	41	38	43	46	42	41	44	49	49	47	48	61	51	50	51	60	47	44	45.0
	Minimum.....	29	26	15	12	26	19	27	32	30	33	31	36	32	29	26	36	30	25	25	35	38	36	31	26	30	37	44	45	46	37	35	31.0
Retreat.....	Maximum.....	31	35	30	30	25	26	35	34	32	45	41	45	39	36	35	38	38	41	34	35	37	37	38	42	42	42	47	49	52	51	36	38.1
	Minimum.....	29	26	6	0	18	6	19	19	23	21	26	35	28	20	17	31	31	15	17	32	32	32	31	17	21	30	40	44	42	34	34	25.0
Ridgway†.....	Maximum.....	34	26	20	32	33	41	44	31	46	47	38	54	36	37	41	48	33	30	40	47	38	35	45	55	60	50	50	50	52	33	32	40.6
	Minimum.....	24	19	3	0	12	8	18	30	27	26	30	30	33	18	18	21	26	15	13	15	36	30	31	16	15	19	41	43	46	30	29	23.3
Seranton*.....	Maximum.....	41	32	24	27	33	28	41	40	33	51	39	44	45	31	37	46	43	35	42	42	41	38	37	45	56	48	52	49	55	43	40	40.6
	Minimum.....	19	16	7	5	19	14	28	29	23	24	32	37	23	20	19	36	23	19	22	36	37	35	25	21	26	33	42	47	43	34	35	26.8
Selinsgrove.....	Maximum.....	44	35	34	31	37	35	39	40	40	56	53	41	46	38	40	41	44	43	41	42	45	46	43	45	50	46	49	50	56	49	42	43.8
	Minimum.....	30	24	18	8	25	9	19	34	29	25	29	24	36	27	22	34	32	19	19	33	34	30	32	18	18	31	42	45	46	35	36	27.7
Somerset.....	Maximum.....	45	35	30	31	35	41	42	41	45	48	45	50	54	42	51	50	52	34	42	45	44	42	44	62	57	51	49	52	50	37	31	44.4
	Minimum.....	28	20	6	-8	26	15	20	28	26	32	25	30	33	28	30	35	24	21	14	32	35	29	28	14	17	39	43	42	36	28	28	25.9
Springs.....	Maximum.....	48	34	23	34	38	38	46	40	44	51	43	52	53	38	40	52	51	36	39	44	43	46	44	62	54	48	48	50	48	36	32	43.5
	Minimum.....	25	20	6	-6	24	12	17	28	27	28	25	26	31	29	35	24	22	18	33	35	32	27	19	24	43	45	43	36	28	27	26.3	
State College.....	Maximum.....	45	32	20	28	26	34	43	36	42	53	40	42	51	33	39	44	45	35	37	45	44	38	44	47	54	48	48	50	53	35	33	40.8
	Minimum.....	27	20	13	7	21	19	30	31	29	35	34	36	25	22	23	38	26	22	19	34	34	31	29	23	25	30	44	45	41	33	32	28.3
Stroudsburg†.....	Maximum.....																																
	Minimum.....																																
Towanda.....	Maximum.....	42	33	28	27	36	29	41	40	38	51	41	44	47	34	40	44	44	40	43	49	42	38	40	50	53	45	49	51	59	52	41	42.4
	Minimum.....	20	10	1	-5	18	5	26	31	25	24	30	32	25	17	14	26	23	14	15	33	35	30	23	18	20	27	40	45	46	33	32	23.6
Uniontown.....	Maximum.....	51	41	36	37	40	47	51	43	51	59	49	61	61	45	54	66	61	36	52	49	48	59	45	63	57	59	59	61	55	40	38	50.8
	Minimum.....	32	27	12	5	31	21	34	33	32	39	34	38	37	31	36	44	30	26	41	40	34	35	25	26	51	52	52	40	33	34	33	33.4
Vandergrift*.....	Maximum.....	54	35	26	34	40	42	49	40	50	58	44	58	45	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	Minimum.....	20	21	10	13	26	18	25	32	31	39	35	41	32	27	41	31	25	22	38	35	31	27	19	23	44	51	51	31	43	33	30.2	
Warren.....	Maximum.....	45	24	20	26	30	37	44	36	48	46	36	52	52	35	44	50	40	32	39	46	40	35	45	57	60	50	52	52	38	33	41.8	
	Minimum.....	20	19	10	9	22	19	30	26	25	35	30	30	25	17	18	33	26	17	17	56	33	31	27	21	25	33	42	46	37	30	26.4	
Waynesburg.....	Maximum.....	56	40	35	42	41	46	48	43	52	57	49	56	58	44	55	66	56	38	49	49	47	47	45	61	68	59	60	61	56	40	37	50.5
	Minimum.....	30	25	9	4	29	20	32	32	27	42	27	38	34	28	29	39	29	27	19	41	38	32	34	19	24	44	49	50	38	33	32	30.8
Welisboro.....	Maximum.....	30	31	25	23	31	30	40	40	40	44	47	37	41	44	32	37	40	40	33	36	46	40	38	36	45	53	48	45	46	52	35	38.5
	Minimum.....	22	8	0	-3	20	2	22	30	24	32	32	24	18	16	27	22	17	15	32	35	30	25	18	20	28	41	43	41	32	32	23.5	
West Chester.....	Maximum.....	48	40	33	31	35	35	48	46	41	51	46	47	52	37	38	49	49	41	44	47	50	50	46	61	51	52	51	59	50	45	45.8	
	Minimum.....	34	23	20	10	27	17	22	33	27	24	31	34	37	28	27	35	34	21	24	32	36	32	34	30	42	42	44	46	36	35	30.7	
Wilkes-Barre†.....	Maximum.....	41	33	25	28	35	29	41	41	36	52	39	43	44	32	38	44	42	37	40	43	40	40	39	46	56	47	51	51	50	43	44	41.2
	Minimum.....	17	14	1	0	12	6	28	30	22	24	24	34	28	20	19	33	19	16	19	33	34	34	22	19	23	30	40	46	41	34	31	24.3
Williamsport.....	Maximum.....	42	33	30	24	31	29	36	39	38	53	45	41	41	35	38	42	42	35	37	49	41	40	44	42	48	48	50	54	45	48	40	42.2
	Minimum.....	27	17	14	4	23	12	22	33	29	25	28	35	35	21	20	33	27	20	19	44	34	35	32	18	22	30	43	45	44	33	34	27.4
Williamstown.....	Maximum.....	46	38	34	22	32	32	38	46	38	56	56	39	51	35	40	37	42	39	38	43	46	45	45	47	51	50	50	50	50	50	50	50
	Minimum.....	25	20	13	6	19	14	22	32	23	28	29	38	31	19	24	29	27	20	22	31	33	30	31	27	34	30	31	31	31	31	31	
York.....	Maximum.....	45	41	36	30	38	41	50	47	46	58	48	45	54	43	42	48	44	46	47	47	56	50	53	58	52	50	51	60	52	46	47.3	
	Minimum.....	36	23	22	10	29	13	28	31	28	29	29	33	39	30	26	36	34	22	19	32	29	27	36	19	24	34	45	45	49	39	34	30.0

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. † 1:30 a. m. to 1:30 a. m. a, b, c, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)				Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.
Erie.....	30.10	30.65	14	29.21	29	8.8	24	s.	7	86	80	85
Harrisburg.....	30.14	30.62	19	29.29	29	6.9	50	nc.	17	81	62	71
Philadelphia.....	30.13	30.63	19	29.33	29	12.3	35	n.w.	17	82	64	78
Pittsburgh.....	30.10	30.60	18	29.24	29	11.0	35	w.	1	82	68	76
Reading.....	30.14	30.66	19	29.32	29	10.6	57	s.	27	73	58	66
Seranton.....	30.10	30.63	14	29.33	29	6.5	36	n.w.	14	77	68	66

* For any five-minute period.

† Corrected to true velocities

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	3.9	9.1	30	2.6	6	18
Easton	Delaware	4.1	12.1	31	2.2	7	22
Lehigh	Lehigh	3.8	4.8	30			9
Wilkes-Barre	Susquehanna	6.3	15.3	31	3.0	6	22
Williamsport	Susquehanna	4.5	10.9	30	1.3	6	22
Harrisburg	Susquehanna	4.8	9.1	31	3.7	7†	18
Greencboro	Monongahela	12.5	14.9	31	11.2	26	30
Lick No. 4	Monongahela	13.7	17.0	31	11.4	25†	30
Pittsburgh	Ohio	16.9*		3†	16.4*	19	28
Midland	Ohio		21.9*	31	13.6*	22	30

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION,
L. F. CONOVER.
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No. 13.

GENERAL SUMMARY.

The year 1940 was characterized by abnormally cool weather. The mean temperature for the State, 48.6° , was 1.6° below normal and was the lowest since 1924. Only five of the 53 years of record have been colder. The only months which averaged above normal were February, July and December, July being the warmest month, with an average of 72.3° and January, the coldest, with a mean of 19.3° . The highest recorded during the year was 105° at Marcus Hook, Delaware County, on July 26th. The lowest for the year was -19° at Coudersport, Potter County, on February 26th.

The average annual precipitation for the State was 43.71 inches, which is 1.63 inches above normal. The wettest month was April, with 5.43 inches, while the driest was January, with 1.41 inches. Mt. Pocono, Monroe County, reported the greatest annual amount, 59.13 inches, while the least annual total was 30.66 inches at Ansonia, Tioga County. The average snowfall, 47.9 inches, exceeded normal by 6.2 inches. February received 19.3 inches, a greater amount than any other month. Days with a measurable amount of precipitation were slightly above normal, totaling 133, and cloudiness was greatly in excess.

Throughout the growing season, many farmers were puzzled and discouraged due to lateness of the crops. In a few localities, the ground was still frozen at the middle of April, and only on well-drained fields were plowing and seeding possible. Weather conditions became more favorable during July and crops generally made progress. However, crops suffered heavily from storms, wind and frost during August, and by the end of September, harvesting was being rushed to prevent damage by frost.

WEATHER BY MONTHS

JANUARY:- This was the driest and the fourth coldest January of record. Daily temperatures were frequently from 10° to 20° below normal. Precipitation was generally light and local after the 19th. Snowfall was concentrated in the western third of the State. Fields in central and eastern counties were bare for long periods, with damage to winter grains, due to freezing.

FEBRUARY:- The average temperature was slightly above normal. Precipitation was above normal and was evenly distributed over the State. The average snowfall of 19.3 inches was exceeded only six times in the past 53 Februaries of record. Heaviest falls were in the Northeast. Damage to winter grains, due to freezing, was checked by more favorable conditions. Heavy snow on the 14th and 15th, accompanied by high winds, interrupted traffic on the main highways for three or four days.

MARCH:- This was the 6th coldest of record and the coldest since 1916. Precipitation was above normal. Most rivers, closed since January by moderately heavy ice sheets, were opened by a brief warm spell on the 18th and 19th. Warm weather and heavy rains, from the 27th to 30th, caused general flooding, and by the 31st, all major streams were at or above flood stage.

APRIL:- Excepting for the last few days of the month, temperatures were well below normal. The total precipitation for the month was nearly 2 inches above normal, making this the third consecutive month with a plus departure. Outstanding was the number of heavy rainstorms which prolonged flood conditions existing at the close of March. Flooding reached major

proportions on the North Branch of the Susquehanna during the first days of the month. However, a strengthened flood warning system kept the damage comparatively low.

MAY:- Temperatures were only slightly below normal, but precipitation was again above normal. Vegetation, already retarded by previous low temperatures, was not materially damaged by general heavy frosts early in the month. Heavy wind storms at Winburne, Clearfield County, on the 1st, at Pennline, Crawford County, on the 19th, and at Erie, on the 20th, caused some property damage.

JUNE:- This was the fourth consecutive month with temperatures below normal. Extremes ranged from the middle 90° 's, during the first 10 days, to freezing or near freezing on the 20th and 21st, when damage resulted to corn and tender plants on low lands. Precipitation was close to normal for the State, but western stations, many of which recorded rainfall on 18 days, generally reported excesses. Thunderstorms were frequent. Hail and heavy showers near the end of the month lodged meadows and grain fields at widely scattered localities.

JULY:- Cool weather, continuing until the 19th, was definitely broken by a heat wave which lasted until the close of the month. Although eleven stations, mostly in the southeastern portion, reported readings of 100° or more during this period, the month was only 0.1° above normal. This was the first month since January with a definite deficit in precipitation. A severe rainstorm occurred at Hanover and a hailstorm at Allentown on the 17th, heavy wind and hailstorm at LeRaysville, Bradford County, on the 27th. The month, as a whole, was favorable for agriculture.

AUGUST:- The temperature was somewhat below normal, due to an extended period of cool weather from the 20th to near the close. On the 24th and 25th, numerous stations reported minima close to the lowest ever recorded in August. Killing frosts were associated with these low temperatures, causing considerable damage to vegetation in the northern counties. Except for general showers on the 6th, and scattered showers between the 14th and 18th, precipitation was confined to the last week. A 20% loss in buckwheat was reported and corn growers in the northeast portion had to cut immediately to avoid loss from the freeze.

SEPTEMBER:- Like the preceding month, September was deficient in temperature. The warmest period occurred from the 18th to the 24th, when temperatures rose above 90° at many stations. Precipitation was slightly above normal. Heavy rains on the 1st resulted in considerable damage to the early peach crop. Corn suffered from the heavy killing frosts during the last week.

OCTOBER:- The month was cool and dry. Although precipitation averaged below normal, copious rains on the 29th and 30th replenished wells and soil moisture. Snowfall was nearly an inch above normal. A general snow on the 19th was the earliest significant snowfall for October since 1925. This storm interrupted the harvesting of corn, potatoes and buckwheat.

NOVEMBER:- Temperatures averaged normal, but the latter half of the month was attended by typical winter conditions. Precipitation was above normal. Most stations reported an excess, except those along the northern tier of counties, where slight deficiencies were reported. Weather was favorable for the late planted truck crops, enabling them to reach maturity.

DECEMBER:- The month was exceptionally mild, being the 8th warmest December of record and the warmest since 1931. Precipitation averaged normal and was well distributed throughout the State. Snowfall occurred mostly in the first week. The weather was favorable for outdoor work and the ground was free from frost most of the month.

Climatological Data for the Year 1940

STATION	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)						Sky				Prevailing direction of wind	
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)	Number days with .01 or more	Number clear days	Number partly cloudy days		Number cloudy days
Atlantic Drainage.																				
Allentown.....	Lehigh.....	260	18	49.2	98	July 26	-1	Jan. 19	28	45.99	6.33	July	1.32	Jan.	30.0	127	174	141	51	s.
Ardmore.....	Montgomery.....	331	21	50.0	96	do. 29†	2	do. 20	21	52.14	7.97	Apr.	1.89	do.	31.4	133	88	124	154	nw.
Arendtsville.....	Adams.....	710	19	50.4	97	do. 26†	0	do. 18†	19	52.23	6.35	Aug.	2.32	do.	25.9	134	161	93	112	nw.
Bedford.....	Bedford.....	1,100	9	49.5	97	do. 26	-5	do. 19	9	41.06	6.76	June	1.28	Oct.	35.5	106	141	39	186	nw.
Bethlehem.....	Northampton.....	450	38	51.2	99	do. 26†	3	do. 20	55	43.98	5.75	Mar.	1.47	Jan.	39.9	135	167	40	159	w.
Bloomsburg.....	Columbia.....	560	2	50.0	95	do. 26	0	do. 20	13	44.50	7.64	do.	0.52	do.	.....	142	184	89	93	nw.
Carlisle.....	Cumberland.....	473	74	51.4	102	do. 26†	1	do. 19	51	45.31	6.42	Apr.	1.38	July	32.5	120	164	61	141	ne.
Chambersburg.....	Franklin.....	600	49	51.2	101	do. 26	1	do. 18	44	41.95	6.18	do.	1.73	Jan.	33.5	125	107	142	117	ne.
Clearfield.....	Clearfield.....	1,260	30	46.0	89	do. 19†	-8	do. 19	33	45.05	5.65	do.	1.39	Oct.	.....	144	.....	.....	.....	w.
Colebrook.....	Lebanon.....	431	53	49.1	99	do. 26†	-2	do. 20	52	43.08	5.79	do.	1.32	Jan.	26.2	115	103	68	195	nw.
Coatesville.....	Chester.....	630	25	48.2	93	do. 22†	-1	do. 1†	31	46.02	6.86	Aug.	1.34	do.	24.5	126	163	45	158	w.
Colebrook.....	Lebanon.....	1,033	53	46.6	95	do. 25	-9	Feb. 16†	53	37.66	4.35	Sept.	1.03	Oct.	.....	106	.....	.....	.....	w.
Emporium.....	Cameron.....	365	40	51.6	102	do. 26	2	Jan. 20	48	43.38	5.6	Apr.	0.85	Jan.	26.4	122	139	76	151	n.
Ephrata.....	Lancaster.....	1,500	47	44.6	91	do. 25†	-6	do. 20	47	50.39	8.46	Mar.	1.68	do.	74.6	137	.....	.....	.....	w.
Freeland.....	Luzerne.....	184	34	50.8	98	do. 27	-1	do. 20	34	45.23	6.65	Apr.	1.61	do.	29.7	127	146	111	106	nw.
George School.....	Bucks.....	553	65	52.1	99	do. 26	1	do. 19†	67	49.61	8.88	Aug.	1.68	June	23.7	131	170	71	125	e.
Gettysburg.....	Adams.....	900	37	46.6	94	do. 26†	-4	Dec. 4	37	49.63	6.32	Mar.	1.71	Jan.	62.0	136	159	49	158	w.
Gordon.....	Schuylkill.....	600	36	52.1	98	do. 26	0	Jan. 20	36	57.37	7.73	July	0.97	do.	26.5	132	153	69	141	s.
Hanover.....	York.....	337	52	51.1	100	do. 26	2	do. 20	71	43.04	6.22	Aug.	1.21	do.	26.8	127	88	111	167	w.
Harrisburg.....	Dauphin.....	900	22	45.0	96	do. 26†	-10	do. 20	22	46.43	7.01	Mar.	1.65	do.	67.2	135	158	103	105	w.
Hawley.....	Wayne.....	200	21	51.9	100	do. 27	3	do. 18	27	42.90	6.21	Apr.	1.20	do.	27.5	126	134	90	142	nw.
Holtwood.....	Lancaster.....	700	53	48.5	98	do. 30	-3	do. 19	53	38.64	5.78	do.	1.24	Oct.	36.6	122	.....	.....	.....	w.
Huntingdon.....	Huntingdon.....	1,790	11	44.9	91	do. 26	-9	do. 19	11	49.54	6.48	Mar.	1.15	do.	64.4	170	.....	.....	.....	nw.
Kyertown.....	Clearfield.....	280	37	50.5	100	do. 28	-7	Jan. 1	53	44.83	6.43	Apr.	1.16	Jan.	23.2	131	198	58	110	nw.
Lancaster.....	Lancaster.....	996	43	45.3	95	do. 26†	-16	Feb. 26	43	35.71	5.18	May	1.09	do.	61.5	116	118	116	132	sw.
Lawrenceville.....	Tioga.....	475	52	49.6	102	do. 26	-2	Jan. 20	57	49.62	6.75	Sept.	1.72	do.	28.9	116	183	79	104	sw.
Lebanon.....	Lebanon.....	480	3	50.8	96	do. 29	1	do. 19	3	36.30	4.68	Mar.	1.26	do.	25.9	112	93	70	203	e.
Lewistown.....	Mifflin.....	554	50	49.2	96	do. 20†	0	do. 19	50	42.55	5.63	do.	1.13	do.	.....	126	.....	.....	.....	ne.
Lock Haven.....	Clinton.....	50	15	55.1	105	do. 28	8	do. 19	15	43.69	7.76	Aug.	1.13	do.	17.1	109	201	83	112	sw.
Marcus Hook.....	Delaware.....	540	50	.....	.....	.....	-2	do. 20†	50	.....	.....	.....	.....	.....	27.4	.....	.....	.....	.....	w.
Mauch Chunk.....	Carbon.....	1,656	36	44.3	92	July 29	-5	do. 19†	36	41.33	5.57	Aug.	1.33	July	73.3	141	53	151	159	nw.
Montrose.....	Susquehanna.....	1,740	35	42.7	89	do. 30	-9	Dec. 4	35	59.13	10.55	Mar.	1.10	Oct.	68.5	126	111	92	163	nw.
Mt. Pocono.....	Monroe.....	864	28	.....	94	do. 28	-8	Feb. 3	28	.....	6.36	Aug.	1.14	Jan.	.....	.....	.....	.....	.....	w.
Muncy Valley.....	Sullivan.....	80	26	.....	.....	.....	-3	Jan. 18	26	47.37	6.64	Apr.	1.52	do.	31.9	122	188	43	135	w.
Neshaminy Falls.....	Bucks.....	679	3	48.6	101	July 26	-2	do. 19	3	43.35	5.89	May	1.67	Oct.	30.4	114	124	125	117	nw.
New Bloomfield.....	Perry.....	420	15	48.9	98	do. 26†	0	do. 19	24	41.30	6.52	Mar.	1.59	Jan.	25.3	125	97	115	154	ne.
Palmerton.....	Carbon.....	23	69	53.1	99	do. 28	5	do. 20	64	41.85	7.87	Aug.	0.96	do.	23.8	126	8	127	151	n.
Philadelphia.....	Philadelphia.....	100	30	51.3	99	do. 26	-2	do. 19	31	48.77	6.71	Apr.	1.65	do.	28.0	112	158	121	87	w.
Phoenixville.....	Chester.....	430	2	48.9	98	do. 26	2	do. 21	2	47.31	6.92	Mar.	1.35	do.	34.7	120	194	30	142	n.
Port Clinton.....	Schuylkill.....	480	53	.....	94	do. 21†	0	do. 20	55	48.41	6.44	do.	1.54	do.	29.8	132	152	81	150	nw.
Quakertown.....	Bucks.....	273	43	51.3	99	do. 26	2	do. 20	63	40.33	5.40	Aug.	0.66	do.	37.3	127	108	107	151	nw.
Reading.....	Berks.....	600	7	46.9	92	do. 26	-1	do. 20	7	43.00	6.82	Mar.	0.80	do.	66.7	129	156	75	135	nw.
Retreat.....	Luzerne.....	746	46	47.8	96	do. 29	1	do. 20	45	38.73	6.52	do.	0.47	do.	44.7	130	67	133	66	n.
Scranton.....	Lackawanna.....	420	51	49.5	95	do. 26	1	do. 19†	51	47.34	6.10	do.	1.38	do.	31.0	146	93	122	151	nw.
Selinsgrove.....	Snyder.....	66	23	51.8	99	do. 27†	5	do. 20	44	46.85	6.06	do.	1.59	do.	23.9	128	.....	.....	.....	nw.
Shawmont.....	Philadelphia.....	654	8	50.7	97	do. 26	0	do. 19	8	46.18	7.19	Aug.	1.50	do.	25.0	121	108	99	159	w.
Shippensburg.....	Cumberland.....	1,200	52	47.4	95	do. 29	-5	do. 19	55	39.77	5.58	Mar.	0.74	Oct.	46.6	131	66	128	172	w.
State College.....	Center.....	755	46	46.5	96	do. 29	-7	Feb. 27	46	36.11	5.26	do.	0.62	Jan.	67.2	144	91	134	141	nw.
Towanda.....	Bradford.....	1,319	60	44.9	96	do. 30	-10	do. 26	70	32.56	3.87	May	0.73	do.	67.6	131	199	65	102	n.
Wellsboro.....	Tioga.....	440	86	51.0	98	do. 27	1	Jan. 20	91	48.54	6.17	Mar.	1.83	do.	33.2	125	170	85	110	nw.
West Chester.....	Chester.....	549	2	.....	97	do. 26	0	do. 20†	2	.....	.....	.....	0.44	do.	.....	.....	.....	.....	.....	.....
Wilkes-Barre.....	Luzerne.....	542	51	48.1	94	do. 26	0	do. 19	54	43.85	5.79	Mar.	2.17	do.	51.8	153	147	77	142	w.
Williamsport.....	Lycoming.....	1,275	25	47.8	95	do. 26	-4	do. 19	25	42.70	6.08	Aug.	2.22	*do.	39.5	123	135	84	147	sw.
Williamstown.....	Dauphin.....	640	41	50.7	98	do. 26	-5	do. 1†	51	46.15	6.87	Apr.	0.95	do.	19.2	139	163	100	103	w.
Ohio Drainage.																				
Butler.....	Butler.....	1,077	18	49.0	97	July 28	-8	Jan. 19	18	41.50	5.56	Apr.	1.31	Oct.	65.5	133	121	135	110	w.
Claysville.....	Washington.....	1,150	36	49.1	94	do. 30	-9	do. 19	36	42.7*	7.49	June	1.03	Jan.	58.1	164	158	57	151	s.
Corry.....	Erie.....	1,432	28	45.6	98	do. 25	-15	do. 19	29	.....	5.56	Aug.	1.73	July	89.9	.....	.....	.....	.....	w.
Coudersport.....	Potter.....	1,653	12	43.4	95	do. 25†	-19	Feb. 26	12	43.54	5.41	Mar.	1.58	*do.	105.0	186	111	82	173	nw.
Derry.....	Westmoreland.....	1,172	44	50.0	93	do. 26†	-8	Jan. 19	44	49.98	7.13	May	1.30	Jan.	41.9	160	117	104	145	w.
Donora.....																				

Monthly and Annual Precipitation for the Year 1940, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
DELAWARE BASIN.																										
Allentown.....	1.32	-2.27	2.56	-0.80	5.59	+2.19	5.11	+1.73	4.57	+1.17	2.73	-1.21	6.33	+1.72	2.96	-1.94	4.01	+0.67	2.00	-1.55	4.75	+1.99	3.73	+0.21	45.99	+1.92
Ardmore.....	1.89	-1.71	3.24	-0.26	6.63	+2.50	7.97	+4.14	8.17	+1.23	2.24	-1.69	3.11	-1.57	7.85	+2.18	3.20	-0.37	2.77	-0.84	5.21	+1.87	2.83	+0.91	52.14	+4.54
Bethlehem.....	1.47	-1.98	3.59	+0.48	5.75	+2.51	5.39	+1.89	4.43	+1.31	2.29	-1.57	3.57	-0.99	3.89	-0.56	3.11	+0.17	1.91	-1.44	4.46	+1.76	3.65	+0.37	43.98	+1.95
Contesville.....	1.32	-2.64	3.06	-0.71	1.95	+0.93	5.79	+2.03	3.87	+0.28	3.06	-1.17	1.52	-3.04	4.28	-0.45	3.98	+0.58	2.71	-0.64	4.98	+2.01	3.59	+0.40	43.08	+3.20
Conshohocken.....	.....	.....	3.68	+0.40	3.97	+0.83	1.61	+1.06	4.48	+1.17	1.60	-2.19	2.96	-1.24	.....	.....	.....	.....	2.44	-1.17	4.13	+1.07	2.55	+0.01	.....	.....
Doylstown.....	1.67	-1.97	2.53	-0.95	5.66	+1.94	5.83	+1.31	4.43	+0.86	1.74	-2.21	2.24	-2.63	4.20	-1.05	1.37	+0.77	2.26	-1.55	4.41	+1.45	3.69	-0.71	41.96	-4.78
Fredericksville.....	1.61	.....	3.16	.....	5.18	.....	5.47	.....	1.52	.....	2.34	.....	3.88	.....	6.47	.....	5.01	.....	2.18	.....	5.20	.....	3.33	.....	18.35	.....
Freeland.....	1.68	-1.56	3.44	-0.07	8.46	+4.09	5.46	+0.88	3.83	-0.01	4.58	-0.38	3.50	-1.41	3.84	-0.56	5.83	+1.98	2.57	-1.72	4.91	+1.78	2.29	-1.63	50.39	+1.29
George School.....	1.61	-2.14	2.34	-0.72	5.29	+1.61	6.65	+3.03	5.28	+1.92	2.71	-0.96	2.27	-2.16	5.21	+0.17	3.86	+0.40	2.47	-1.23	4.48	+1.91	2.76	-0.81	45.23	+1.02
Gouldsboro.....	0.65	-2.68	3.03	-0.30	0.76	+3.90	6.12	+2.53	.....	.....	.....	.....	3.62	-0.83	5.17	+0.86	.....	.....	.....	.....	.....	.....	2.15	-1.17	.....	.....
Graterford.....	1.04	-2.78	2.04	-1.37	1.73	+0.68	5.83	+2.01	5.57	+2.36	2.29	-1.71	4.01	-0.57	5.24	+0.52	2.53	-0.64	3.14	-0.82	5.24	+2.28	2.74	-0.72	44.31	-0.46
Hawley.....	1.65	-0.99	3.53	+0.71	7.01	+4.11	5.05	+1.83	3.64	+0.11	3.41	0.41	4.33	+1.55	3.85	-0.24	4.33	+1.12	3.43	+0.07	3.63	+1.00	2.55	-0.52	40.43	+8.34
Hollisterville.....	1.37	-1.45	4.17	+1.12	6.13	+2.39	4.78	+0.86	3.83	+0.71	3.87	0.28	4.63	-0.15	3.65	-0.22	5.00	+0.99	3.56	+0.22	4.30	+1.23	2.39	-0.20	47.68	+5.20
Lakeville.....	1.62	-1.26	3.83	+1.12	6.79	+2.81	5.15	+1.17	4.12	+0.12	3.63	0.22	1.74	-4.29	-0.63	4.64	-0.05	3.12	-0.57	3.50	+0.44	1.22	2.47	0.08	49.20	+5.51
Lansford.....	2.06	-0.66	4.23	+0.49	7.61	+1.28	5.35	+1.95	3.71	+0.26	3.50	0.97	2.67	-1.72	4.40	-0.25	5.71	+1.98	2.41	-1.46	5.06	+2.41	2.86	+0.69	38.64	+6.80
Lehighton.....	.....	.....	1.96	.....	8.00	.....	4.22	.....	5.81	.....	.....	.....	3.58	.....	4.41	.....	5.88	.....	2.66	.....	5.76	.....	2.58	.....	1.17	.....
Marcus Hook.....	1.14	-2.11	2.05	-0.52	6.86	+2.59	6.31	+2.51	4.53	+1.44	3.19	-0.56	1.41	-2.74	7.76	+1.90	2.64	-0.76	2.24	-0.20	3.70	+0.94	2.37	-0.33	43.69	+1.86
Matamoras.....	2.22	-0.50	3.21	+0.64	5.59	+2.49	5.82	+2.42	.....	.....	5.26	+0.78	2.08	-1.64	3.61	-0.13	4.36	+1.17	1.93	-1.31	4.41	+1.60	3.79	+0.92	40.61	+7.84
Mauch Chunk.....	2.03	-1.21	4.44	+0.07	6.85	+2.69	5.62	+1.57	4.74	+1.18	4.21	-0.26	.....	.....	.....	.....	.....	.....	2.61	-1.23	5.22	+2.06	3.94	-0.10	.....	.....
Mount Pocono.....	4.43	+1.46	4.03	+1.05	10.55	+6.99	5.11	+1.47	5.63	+1.55	4.66	-0.10	2.54	-1.93	9.83	+5.07	5.25	+0.81	1.16	-3.58	3.00	-0.21	3.50	+0.24	59.13	+12.82
Neshaminy Falls.....	1.52	-1.84	3.18	+0.22	5.62	+1.87	6.64	+2.89	1.04	+0.08	2.88	-0.99	3.12	-1.35	5.71	-0.16	4.25	+0.77	2.65	-1.37	4.75	+1.72	3.01	-0.51	47.37	+1.38
N. w. Tripoli.....	1.40	.....	3.41	.....	6.71	.....	5.60	.....	3.81	.....	3.28	.....	3.22	.....	4.02	.....	2.90	.....	2.13	.....	5.14	.....	2.96	.....	44.64	.....
Orwigsburg.....	1.62	.....	2.92	.....	7.44	.....	5.29	.....	4.23	.....	3.70	.....	4.50	.....	.....	.....	.....	.....	.....	.....	4.27	.....	2.78	.....	.....	.....
Palmerston.....	1.59	-0.78	2.09	-0.30	6.52	+3.45	4.65	+1.41	3.41	-0.01	4.71	+1.00	5.29	+0.81	5.67	+1.64	2.22	-1.07	1.99	-1.40	4.24	+1.65	1.99	-0.92	44.30	+5.61
Paupack.....	1.63	-1.12	3.48	+0.66	7.08	+4.28	1.96	+1.40	4.29	+0.77	3.35	+0.21	3.89	+0.70	4.30	-0.12	4.17	+0.52	3.25	-0.46	4.10	+1.28	2.27	-0.61	44.12	+7.51
Philadelphina.....	0.96	-2.34	2.90	-0.53	4.10	+0.71	6.06	+3.01	4.89	+1.63	2.62	-0.72	1.82	-2.33	7.87	+3.25	4.58	+1.14	2.38	-0.43	4.24	+1.54	2.53	-0.00	44.86	+4.44
Phila. Navy Yard.....	1.51	-1.75	2.71	-0.65	4.48	+1.96	6.62	+3.32	5.31	+2.19	2.75	-1.25	2.88	-1.72	7.99	+2.71	5.95	+2.81	2.51	-0.60	3.82	+0.99	2.53	-0.91	50.06	+7.10
Phila. Ft. Breeze.....	1.31	-2.29	2.78	-0.37	5.21	+2.21	6.43	+3.05	5.21	+1.95	2.14	-2.02	2.42	-1.81	6.75	+1.84	4.91	+0.86	2.69	-0.24	4.08	+1.18	2.92	-0.50	46.85	+1.45
Phoenixville.....	1.65	-1.98	3.16	-0.21	3.79	+2.15	6.71	+3.19	5.30	+1.54	1.90	-1.47	3.38	-1.58	5.42	+0.77	4.01	+0.74	2.82	-0.70	5.32	+2.33	3.31	-0.38	48.77	+3.57
Pleasant Mount.....	1.35	-2.61	3.08	-0.09	6.06	+1.89	5.15	+0.98	4.19	+0.39	3.79	-1.05	3.55	-2.02	3.95	-0.82	2.91	+1.48	3.42	-0.47	4.54	+1.26	3.43	-0.62	44.58	-4.77
Port Clinton.....	1.35	-2.17	3.18	-0.13	6.92	+3.05	5.92	+1.78	3.67	-0.47	2.88	-1.58	3.61	-1.29	5.03	-0.14	4.37	+0.12	3.81	-1.16	4.67	+1.86	2.89	-0.72	47.31	-0.65
Pottstown.....	0.64	-2.65	2.90	-0.21	4.16	+0.76	5.25	+2.14	2.78	-0.58	1.44	-1.94	4.39	-0.13	5.36	+1.04	6.97	+2.90	2.14	-1.39	4.21	+1.31	2.57	-1.28	50.85	+3.63
Pottsville.....	1.55	-2.01	4.13	+0.72	6.27	+2.18	5.62	+1.81	4.29	+0.56	1.44	-1.94	3.18	-1.51	4.66	+0.60	6.97	+2.90	2.14	-1.39	4.21	+1.31	2.57	-1.28	50.85	+3.63
Quakertown.....	1.54	-2.25	3.15	-0.16	6.47	+2.65	6.07	+2.01	4.16	+1.10	3.17	-1.74	3.63	-1.05	4.40	-0.39	3.74	-0.15	2.14	-1.78	5.50	+2.36	3.87	-0.49	48.41	+1.48
Reading.....	0.66	-2.91	2.88	-0.66	6.17	+0.65	4.84	+1.57	2.70	-0.97	1.40	-2.15	4.35	+0.09	5.40	+1.13	3.60	+0.15	2.01	-1.11	4.56	+2.13	3.47	-0.16	40.38	-1.76
Sellersville.....	1.33	.....	2.04	.....	5.63	.....	5.56	.....	5.45	.....	2.19	.....	5.19	.....	5.88	.....	3.11	.....	2.09	.....	4.94	.....	3.73	.....	47.20	.....
Shawmut.....	1.59	-1.71	2.86	-0.32	6.06	+2.59	5.94	+2.61	5.61	+2.33	2.04	-1.88	3.91	-0.38	5.99	+0.88	3.42	+0.26	2.21	-1.04	4.43	+1.60	2.79	-0.74	46.85	+4.70
Stroudsburg.....	2.73	-0.65	2.70	-0.65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.12	-2.51	5.65	+2.46	.....	.....	.....	.....
Wernersville(near).....	0.72	.....	2.94	.....	5.67	.....	2.58	.....	.....	.....	1.15	.....	2.49	.....	5.12	.....	2.99	.....	1.99	.....	4.55	.....	2.87	.....	.....	.....
West Chester.....	1.83	-1.99	3.67	+0.17	6.17	+2.34	6.13	+2.39	5.24	+1.36	2.57	-1.98	2.61	-2.03	5.17	+0.17	3.68	+0.16	2.59	-1.03	5.11	+2.03	3.77	-0.03	48.54	+1.56
Westgrove.....	1.40	.....	2.25	.....	4.73	.....	5.28	.....	4.81	.....	2.60	.....	1.24	.....	4.25	.....	3.70	.....	2.50	.....	3.11	.....	.....	.....	.....	.....
Zionsville.....	2.69	.....	5.58	.....	8.50	.....	6.82	.....	6.18	.....	2.53	.....	4.68	.....	3.94	.....	5.11	.....	2.52	.....	5.24	.....	4.37	.....	58.23	.....
SUSQUEHANNA BASIN.																										
Altoona.....	2.95	-0.95																								

Monthly and annual Precipitation for the Year 1940, with Departures from the Normal.—Continued

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
SUSQUEHANNA BASIN (Continued)																										
Selinsgrove.....	1.38	-1.64	3.40	+0.63	6.10	+2.58	5.48	+1.81	5.66	+1.96	3.11	-1.02	4.92	+0.88	5.32	+1.48	2.28	-1.03	2.52	-1.05	3.90	+1.43	3.27	+0.26	47.34	+6.29
Shade Gap.....	1.48	.....	2.56	.....	3.74	.....	5.20	.....	3.77	.....	3.71	.....	1.50	.....	5.68	.....	1.71	.....	1.60	.....	3.78	.....	2.53	.....	37.26	.....
Shippensburg.....	1.50	.....	2.52	.....	4.44	.....	5.74	.....	3.82	.....	3.65	.....	4.37	.....	7.19	.....	3.62	.....	2.85	.....	4.36	.....	3.22	.....	46.18	.....
State College.....	1.26	-1.82	2.72	+0.25	5.58	+2.24	5.42	+1.82	4.30	+0.41	3.50	-0.62	4.57	+0.71	2.56	-0.92	3.69	+0.79	0.74	-2.28	3.46	+1.15	1.97	-0.70	39.77	+1.03
Sunbury.....	1.20	-2.03	3.25	+0.42	7.05	+3.78	5.56	+1.94	5.35	+1.43	4.33	+0.03	4.29	-0.03	4.47	+0.67	3.65	+0.34	2.59	-0.73	4.22	+1.95	4.97	+0.05	38.87	+7.82
Susquehanna.....	0.67	.....	3.23	.....	5.24	.....	2.98	.....	2.27	.....	2.75	.....	2.27	.....	3.59	.....	3.05	.....	3.44	.....	2.77	.....	2.47	.....	34.73	.....
Towanda.....	0.62	-1.52	3.13	+1.14	5.26	+2.67	3.54	+0.45	4.73	+1.37	3.51	-0.31	1.81	-1.99	4.05	+0.62	3.90	+0.71	2.11	-0.80	2.06	-0.08	1.39	-0.80	30.11	+1.46
Weikert.....	1.97	-1.28	3.26	+0.52	6.20	+2.45	4.39	+0.18	6.07	+2.18	4.74	+0.61	0.98	-3.19	5.76	+2.15	2.83	-0.49	.....	.....	3.44	+0.76	.....	.....	.....	.....
Wellsville.....	0.73	-1.54	3.55	+1.53	3.29	+0.63	3.67	+0.61	3.87	+0.47	3.22	-0.51	3.55	+0.35	2.91	-0.27	2.38	-0.57	0.87	-2.16	2.30	+0.08	2.22	+0.08	32.56	-1.30
Wilkes-Barre ¹	0.44	-1.95	2.12	-0.46	6.33	+3.42	.....	.....	3.02	+0.13	3.62	-0.36	2.97	-1.10	5.87	+2.09	2.09	-1.38	3.39	+0.20	3.32	+1.10	2.72	-0.01	.....	.....
Wilkes-Barre ²	0.61	-1.78	2.31	-0.27	6.57	+3.66	3.35	+0.42	2.99	-0.16	3.33	-0.65	4.37	+0.30	3.52	-0.26	4.19	+1.22	4.08	+0.98	3.11	+0.89	2.38	-0.35	31.31	+4.10
Williamsport.....	2.17	-0.79	4.01	+1.51	5.79	+2.57	4.26	+0.62	5.31	+1.48	3.32	-0.51	3.54	-0.30	3.67	-0.27	2.85	-0.19	2.45	-0.74	3.81	+1.44	2.67	-0.22	43.89	+4.75
Williamstown.....	2.22	-0.84	2.22	-0.45	5.18	+1.91	5.25	+1.77	3.88	+0.07	2.86	-1.65	2.41	-3.01	6.08	+2.17	3.49	-0.64	2.65	-1.60	4.22	+1.39	2.24	-0.63	42.70	-0.93
York.....	0.95	-2.12	3.16	+0.41	3.67	+0.56	6.87	+3.68	4.11	+1.09	3.06	-0.69	2.41	-1.81	4.96	+0.90	6.36	+3.33	2.83	-0.21	5.04	+2.81	2.73	-0.20	46.15	+7.75
York Haven.....	1.03	-1.83	2.84	+0.09	4.43	+1.60	6.77	+3.55	3.55	+0.50	1.56	-2.23	1.58	-3.06	4.37	+0.35	4.97	+1.70	2.86	-0.15	4.50	+2.40	2.91	-0.08	41.37	+2.84
OHIO BASIN.																										
Acmetonia.....	1.34	-2.07	3.40	+0.78	4.30	+0.56	6.90	+3.60	4.89	+1.28	5.22	+0.70	3.72	+0.40	3.10	-0.91	4.13	+1.19	1.48	-1.48	4.10	+1.51	3.46	+0.32	46.04	+5.18
Beaver Falls.....	1.17	-1.72	4.09	+1.81	3.57	+0.28	6.16	+3.15	4.28	+1.07	2.94	-1.53	1.98	-1.55	2.55	-1.05	2.58	-0.28	1.50	-0.99	3.67	+1.30	2.32	+0.28	37.41	+0.77
Blairsville.....	1.57	.....	3.38	.....	4.04	.....	.....	.....	6.88	.....	5.14	.....	3.91	.....	4.65	.....	2.91	.....	1.66	.....	4.05	.....	3.13	.....	.....	.....
Bradford.....	1.11	-2.51	2.46	-0.16	3.31	-0.21	5.02	+1.22	4.10	+0.20	4.64	+0.57	2.79	-1.65	1.63	+0.95	3.51	-0.48	2.20	-1.11	3.92	+0.73	4.12	+0.95	41.81	-1.53
Brookville.....	1.89	-1.34	3.66	+1.53	4.37	+1.12	5.61	+2.71	4.03	+1.61	5.04	+0.70	2.18	-1.98	2.31	-1.53	3.49	+0.36	0.85	-2.42	4.34	+1.40	4.14	+1.12	41.91	+2.33
Butler.....	1.90	-1.33	3.73	+1.83	2.73	-0.71	5.56	+2.19	5.05	+1.52	5.19	+0.53	2.38	-2.03	2.75	-1.15	3.44	-0.02	1.31	-1.66	4.12	+1.32	3.34	+0.32	41.50	+0.42
Chambersville.....	1.32	-2.44	3.06	+0.20	1.49	+0.74	5.60	+1.72	3.34	+0.23	5.42	+0.67	4.10	-0.59	3.41	-0.51	2.62	-1.03	1.63	-1.88	3.32	+0.55	.....	.....	.....	.....
Clairton.....	0.80	-1.92	3.66	+1.27	3.66	+0.12	4.57	+1.33	4.33	+0.59	7.07	+3.49	3.82	+0.73	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clarion.....	1.91	-1.94	4.35	+1.76	4.20	+1.52	6.69	+3.05	1.86	+1.12	6.11	+1.95	5.53	+1.14	2.55	-1.69	3.29	+0.22	1.46	-1.78	4.70	+1.37	4.61	+1.09	50.16	+6.37
Claysville.....	1.03	-3.22	4.34	+1.87	4.66	+1.33	4.87	+1.48	4.30	+0.71	7.49	+3.19	2.14	-2.11	4.61	+0.84	2.24	-1.00	1.22	-2.03	3.57	+1.07	3.31	+0.35	42.78	+2.48
Confluence.....	1.20	-2.78	3.04	+0.11	4.54	+0.60	6.21	+2.55	6.67	+2.68	9.25	+4.57	3.98	-0.60	6.93	+2.66	4.81	+1.71	2.81	-0.71	4.07	+1.36	2.90	-0.65	55.97	+11.49
Connaughtville.....	.....	.....	.....	.....	4.23	.....	6.91	.....	5.18	.....	6.31	.....	3.93	.....	5.44	.....	3.71	.....	2.81	.....	3.14	.....	2.07	.....	.....	.....
Cornopolis.....	0.75	-2.24	3.30	+0.53	3.74	+0.40	5.88	+2.81	1.62	+1.35	5.44	+0.86	2.85	-0.97	3.68	+0.54	3.33	+0.45	0.87	-1.81	3.82	+1.43	3.21	+0.41	41.49	+4.48
Corry.....	2.61	-1.51	2.35	-0.46	3.06	-0.75	4.53	+0.91	4.77	+0.26	2.83	-1.37	1.73	-1.67	5.56	+1.57	2.78	-0.58	1.79	-2.27	.....	.....	3.25	-0.37	.....	.....
Coudersport.....	1.66	-1.26	3.32	+0.56	5.41	+1.89	4.71	+1.03	4.25	+0.52	5.00	+0.74	1.58	-2.33	3.44	-0.21	1.37	-1.30	1.58	-1.62	4.41	+1.35	3.78	+1.11	43.54	+3.81
Derry.....	1.30	-2.55	3.96	+0.34	5.60	+1.74	5.36	+2.23	7.13	+3.49	4.89	-0.05	6.40	+1.93	4.66	+0.59	2.38	-0.76	1.89	-1.36	3.67	+1.24	2.55	+0.25	42.11	+5.07
Donora.....	0.52	-2.11	2.99	+0.47	4.20	+0.62	5.36	+1.51	4.75	+1.36	4.83	+1.02	3.84	+0.46	5.59	+1.88	2.39	-0.27	1.59	-1.35	3.67	+1.24	2.55	+0.25	42.11	+5.07
Ebensburg.....	2.27	-1.32	4.08	+1.37	4.91	+1.27	4.79	+1.29	4.78	+0.90	4.76	+0.63	2.73	-1.54	2.79	-0.90	2.38	-1.01	2.21	-1.08	3.78	+0.85	3.90	+0.72	39.19	-2.43
Franklin.....	0.99	-2.43	2.73	+0.24	3.25	-0.10	4.79	+1.29	4.78	+0.90	4.76	+0.63	2.73	-1.54	2.79	-0.90	2.38	-1.01	2.21	-1.08	3.78	+0.85	3.90	+0.72	39.19	-2.43
Greensboro.....	1.03	-2.32	3.27	+0.85	4.40	+0.74	5.36	+2.09	5.27	+1.58	5.78	+1.14	4.62	+0.20	7.01	+3.37	3.08	-0.58	1.90	-1.10	2.94	+0.31	2.40	-0.75	47.26	+6.11
Greensburg.....	0.86	-2.57	3.28	+0.53	5.36	+1.64	6.08	+2.81	5.93	+2.15	6.02	+1.63	4.06	+0.29	4.33	+0.22	3.18	-0.26	1.45	-1.47	4.03	+1.63	3.47	+0.42	48.05	+7.71
Greenville.....	1.26	-2.37	3.37	+0.80	3.23	-0.34	4.34	+1.07	5.33	+1.20	5.79	+1.72	2.42	-2.16	2.89	-0.58	2.78	-0.74	1.56	-1.61	3.25	+0.23	3.41	+0.39	34.73	-6.49
Grove City.....	0.95	-2.26	2.35	+0.12	1.36	.....	2.94	-1.07	5.33	+1.20	5.79	+1.72	2.42	-2.14	2.89	-0.58	2.78	-0.74	1.56	-1.61	3.25	+0.23	3.41	+0.39	34.73	-6.49
Irwin.....	0.77	-2.17	3.17	+0.82	4.72	+1.50	5.27	+2.14	4.66	+0.57	5.91	+0.71	3.89	-0.21	4.88	+1.10	4.52	+1.77	1.07	-1.80	3.36	+1.07	2.60	-0.29	46.19	+8.61
Johnstown.....	1.65	-2.67	3.92	+0.44	5.71	+1.21	6.40	+2.45	4.66	+0.57	5.91	+0.71	3.89	-0.21	4.88	+1.10	4.52	+1.77	1.07	-1.80	3.36	+1.07	2.60	-0.29	46.19	+8.61
Kane.....	1.43	.....	3.04	.....	5.20	.....	6.87	.....	4.59	.....	7.17	.....	6.05	.....	4.96	.....	3.90	.....	2.17	.....	5.86	.....	4.59	.....	56.53	.....
Kearney.....	1.81	-1.69	3.53	+0.23	5.29	+1.09	6.13	+2.03	7.25	+3.35	6.09	+1.29	3.95	-1.08	4.61	-0.36	3.43	+0.05	2.62	-2.04	.....	.....	.....	.....	.....	.....
Lake Lynn.....	0.80	.....	3.43	.....	4.04	.....	4.38	.....	5.93	.....	4.30	.....	2.76	.....	4.67	.....	2.82</									

Monthly and Annual Mean Temperatures for the Year 1940, with Departures from the Normal

STATIONS.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Atlantic Drainage.																										
Allentown.....	22.3	-7.0	30.6	+1.2	32.2	-5.2	45.4	-3.0	50.6	-0.8	67.9	-1.8	71.2	+0.2	69.3	-2.7	62.6	-2.4	49.2	-3.7	41.8	-0.6	39.2	+2.9	39.2	-1.9
Altoona.....	15.6	-11.9	28.1	+0.6	29.5	-7.9	44.7	-3.0	57.9	-0.9	66.8	+0.2	71.0	0.0	67.0	-2.2	60.4	-2.7	60.0	-2.1	38.6	-1.8	34.8	+4.7	47.6	-2.3
Ardmore.....	20.4	-11.2	30.4	-1.8	33.1	-7.4	44.1	-5.6	60.4	-0.6	70.0	-0.3	74.9	+0.5	69.5	-2.5	63.6	-3.4	51.2	-3.8	43.8	+0.5	37.8	+3.4	50.6	-2.8
Arendtsville.....	21.0	-9.1	32.2	+0.6	35.1	-4.3	47.0	-2.2	61.6	+0.6	69.2	-1.3	74.4	0.0	69.6	-2.9	63.2	-2.6	51.1	-2.9	42.7	+0.1	37.8	+4.5	50.4	-1.6
Bedford.....	18.0	.....	31.6	.....	34.3	.....	47.9	.....	59.9	.....	69.0	.....	71.9	.....	68.6	.....	61.1	.....	51.3	.....	42.0	.....	35.0	.....	49.5	.....
Bethlehem.....	23.0	7.6	32.4	+1.1	34.0	-6.4	47.0	-4.4	61.4	-1.1	70.0	-0.6	75.9	+0.8	70.6	-2.7	65.2	-1.7	53.0	-2.8	41.8	-0.2	37.4	+3.7	51.2	-1.8
Bloomsburg.....	21.4	.....	29.3	.....	32.5	.....	45.6	.....	61.6	.....	69.2	.....	74.8	.....	71.2	.....	64.2	.....	49.8	.....	41.0	.....	34.0	.....	50.0	.....
Carlisle.....	21.6	-7.0	33.2	+3.0	36.2	-2.5	48.7	-3.2	62.8	+1.1	70.4	-0.7	76.0	+0.9	71.6	-1.3	65.9	-1.6	51.4	-1.6	44.2	-2.0	36.8	+5.0	51.1	-0.4
Center Hall.....	18.7	-7.8	29.4	+1.7	36.8	+0.2	46.5	-1.2	60.6	-2.1	67.4	+1.3	72.4	+1.4	68.2	-0.4	60.5	-1.8	51.7	-1.6	44.1	-1.5	38.4	+5.1	51.2	-0.9
Chambersburg.....	21.0	-8.8	33.0	+1.2	35.5	-4.3	47.7	-2.3	62.0	+0.7	70.3	+0.2	75.6	+0.8	70.8	-1.6	64.2	-2.1	51.7	-1.6	44.1	-1.5	38.4	+5.1	51.2	-0.9
Cleardale.....	16.1	-11.1	27.6	0.7	29.6	-7.5	41.2	-4.3	57.2	-1.7	65.3	-2.0	68.4	-3.0	65.7	-4.4	58.9	-4.9	48.0	-4.3	38.7	-2.2	33.8	+3.8	46.6	-3.0
Cottessville.....	20.0	-10.3	29.9	-0.6	33.6	-6.2	44.6	-5.7	59.1	-1.6	68.6	-1.6	74.4	-0.9	69.2	-3.4	60.3	-5.8	49.8	-1.2	42.6	-0.2	36.5	+3.8	48.2	-2.2
Colebrook.....	19.8	-8.3	30.5	+0.7	33.9	-5.0	45.0	-3.5	59.3	-0.1	66.4	-1.6	71.3	-2.0	67.0	-3.3	60.0	-3.9	48.4	-4.0	41.8	+0.2	35.5	+3.8	48.2	-1.4
Emporium.....	17.6	-8.6	27.6	-1.7	29.5	-5.7	41.0	-2.6	58.2	+0.3	65.2	-0.7	70.2	-0.6	66.3	-1.4	58.9	-2.6	48.0	-2.1	39.4	+0.1	34.0	+4.6	46.6	-2.4
Ephrata.....	22.5	-7.9	32.6	+2.3	36.0	-4.1	47.7	-2.5	62.8	+1.1	71.6	-2.0	77.0	+2.1	71.3	-1.1	64.4	-1.8	51.2	-3.4	41.0	+0.7	38.2	+5.4	51.6	-0.6
Freeland.....	15.7	-8.5	23.3	-1.4	26.0	-6.8	39.8	-4.5	57.2	-0.9	64.4	-0.7	70.7	+1.4	64.4	-2.3	59.6	-0.5	46.6	-3.4	41.0	+0.9	31.2	+3.8	44.6	-1.7
George School.....	22.0	-9.4	32.8	+1.4	35.5	-5.0	46.4	-3.7	60.8	-0.3	69.2	-0.2	74.6	+0.9	69.8	-2.3	64.0	-3.0	52.0	-3.3	44.4	-0.9	38.2	+4.4	50.8	-1.6
Gettysburg.....	22.2	-7.8	33.8	+2.1	36.7	-3.6	48.2	-2.6	63.2	+1.5	71.4	+1.2	76.6	+0.1	71.0	-1.3	64.5	-2.4	53.2	-3.3	44.4	+0.6	37.7	+1.1	50.8	.....
Gordon.....	18.6	-10.4	28.0	+0.7	30.0	-5.3	48.0	-4.3	63.8	-0.1	72.0	-0.6	75.8	-0.7	71.2	-1.9	64.2	-3.5	52.8	-3.9	40.4	+0.5	34.0	+4.4	46.4	-2.1
Hanover.....	22.2	-10.6	34.2	+1.0	37.0	-4.3	48.0	-4.3	63.3	-0.1	72.0	-0.6	76.5	-0.0	71.2	-2.4	64.2	-3.5	52.8	-3.9	40.4	+0.5	34.0	+4.4	52.1	-1.9
Harrisburg.....	21.8	-7.2	32.3	+2.1	35.4	-3.5	47.6	-4.3	62.0	+0.2	70.5	+0.2	76.5	+1.7	70.4	-2.2	64.0	-1.8	51.6	-3.2	43.4	+0.8	37.6	+4.9	51.1	-1.0
Hawley.....	17.0	-8.8	25.6	-0.2	28.4	-4.2	41.3	-3.9	56.2	-0.9	64.4	-1.8	69.8	-0.5	65.3	-3.4	57.6	-3.4	45.6	-3.7	38.4	-0.8	39.0	+2.2	45.0	-2.5
Holtwood.....	22.3	-9.4	33.0	+0.3	36.5	-4.7	46.2	-4.9	62.4	-0.5	71.1	-1.2	77.0	0.0	73.0	-0.6	65.8	-3.6	52.8	-3.6	41.8	-0.3	38.0	+3.2	51.9	-2.2
Huntingdon.....	19.1	-9.8	29.3	-0.2	32.0	-6.7	44.8	-4.5	59.7	-1.5	67.8	-0.7	72.2	-0.2	69.2	-1.5	61.5	-3.1	49.2	-3.5	41.2	-0.1	35.0	+3.7	48.5	-2.3
Kylertown.....	14.1	-13.0	25.6	+0.1	28.5	-6.7	41.8	-2.7	56.2	-1.5	65.1	-0.7	69.1	-0.7	65.0	-2.4	57.9	-3.5	46.3	-3.0	37.4	-0.8	33.2	+3.9	44.9	-2.7
Lancaster.....	20.1	-9.7	31.6	+0.6	36.4	-3.2	47.2	-2.0	61.1	+0.1	69.7	-0.4	74.5	+1.4	70.2	-2.2	63.2	-3.3	45.6	-3.0	38.5	+0.4	36.8	+3.6	50.5	-1.4
Lawrenceville.....	16.9	-8.4	23.6	-1.2	27.4	-7.5	41.6	-4.3	57.6	+0.2	66.0	-0.1	69.8	-0.6	66.0	-2.3	58.8	-2.9	46.6	-3.9	37.8	-1.3	31.1	+2.3	45.3	-2.5
Lebanon.....	20.2	-9.0	31.4	+1.7	37.6	-5.6	46.2	-4.0	60.4	-0.7	69.1	-0.7	73.5	-1.4	69.5	-2.7	62.9	-2.8	49.4	-4.3	41.7	-0.9	35.6	+3.4	49.6	-2.0
Lewistown.....	21.6	.....	32.0	.....	34.2	.....	48.1	.....	62.5	.....	70.0	.....	74.0	.....	70.4	.....	64.1	.....	51.8	.....	43.8	.....	37.4	.....	50.8	.....
Lock Haven.....	21.0	-7.2	29.8	+1.4	32.6	-5.9	46.2	-4.1	61.5	-0.3	68.4	-1.4	72.6	-1.0	68.8	-2.7	61.0	-2.9	49.6	-3.9	41.8	-0.2	35.8	+4.4	49.2	-2.0
Marcus Hook.....	27.2	-8.2	36.2	+1.0	40.2	-4.1	51.4	-3.0	65.7	-0.1	75.1	-0.1	79.6	+0.6	73.8	-2.5	67.8	-2.8	55.6	-3.6	47.0	-0.6	42.0	+2.9	55.1	-1.7
Mauch Chunk.....	20.4	-7.3	28.8	+0.9	32.1	-5.3	43.9	-4.5	58.4	-1.2	65.9	-2.1	.....	.....	.....	.....	48.8	-3.5	41.0	-0.2	33.8	+3.0	.....	.....	.....	.....
Montrose.....	15.7	-7.6	24.3	+1.4	25.4	-6.7	40.2	-3.6	56.1	+1.1	63.5	-0.1	69.2	+1.0	65.8	-1.0	58.6	-1.9	46.2	-2.9	36.2	+0.9	30.2	+3.6	41.3	-1.3
Mount Pocono.....	15.5	-7.9	23.1	+3.1	25.7	-6.1	38.4	-3.7	52.1	-1.8	70.2	-3.5	64.8	-0.9	60.2	-3.5	55.8	-2.5	43.8	-4.3	34.9	-1.2	28.2	+2.3	42.7	-1.7
Muncy Valley.....	18.0	-7.4	25.6	-0.3	27.6	-1.4	40.5	-6.0	57.1	+0.4	64.0	-1.3	68.4	-1.4	65.4	-2.5	58.2	-3.1	47.0	-0.3	.....	.....	30.6	+2.4	.....	.....
Neshaminy Falls.....	20.0	-9.4	30.4	+0.5	34.6	-4.6	44.4	-4.7	60.4	+0.3	.....	.....	.....	.....	.....	.....	53.2	-2.2	50.0	-3.8	44.0	+1.3	38.6	+6.2	.....	.....
New Bloomfield.....	19.4	.....	29.4	.....	32.6	.....	45.8	.....	60.0	.....	68.0	.....	72.4	.....	68.4	.....	59.4	.....	48.6	.....	40.8	.....	38.7	.....	48.6	.....
Palmerton.....	20.6	-8.6	29.7	+0.7	32.6	-4.6	44.8	-2.8	59.5	-0.1	68.1	+0.4	74.4	+0.9	69.0	-1.9	63.2	-0.7	49.2	-2.7	40.2	-1.8	35.2	+3.3	48.9	-1.5
Philadelphia.....	23.3	-7.3	34.8	+0.9	37.5	-3.3	48.2	-3.9	62.4	-0.5	71.4	0.0	77.2	+1.0	72.0	-2.2	67.4	-0.6	54.3	-3.5	46.4	+0.7	40.4	+4.1	53.1	-1.3
Phila. Navy Yard.....	26.2	-6.8	34.7	+1.0	38.2	-3.8	56.6	-3.1	63.2	+0.6	72.5	+0.6	77.5	+1.6	72.6	-2.2	67.4	-1.0	54.0	-3.4	46.2	+0.2	39.8	+3.9	54.1	-0.3
Phila. Pt. Breeze.....	25.6	-5.8	35.6	+0.4	38.0	-5.1	49.8	-2.0	64.4	0.0	73.0	-0.4	77.8	+0.3	73.4	-2.4	69.2	-0.4	56.2	-1.9	47.9	+0.2	42.0	+5.0	51.9	-3.7
Phoenixville.....	22.0	-8.8	32.6	+0.7	37.0	-4.0	47.9	-3.7	61.4	-0.6	70.4	-1.2	75.2	-0.4	70.7	-3.1	63.2	-3.8	51.1	-3.8	45.5	+1.8	38.2	+4.4	51.3	-1.9
Port Clinton.....	20.8	-8.2	31.0	+1.5	34.2	-4.2	45.1	-4.4	59.8	-1.3	67.0	-2.2	72.6	-0.9	68.2	-3.1	61.6									

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	47.9	100	-31	45.91	39.7	130	110	116	140
1889.....	49.8	96	-27	52.67	22.3	136	112	113	140
1890.....	50.5	101	-18	51.28	55.5	141	106	116	143
1891.....	50.6	100	-14	45.65	34.1	124	124	108	133
1892.....	49.3	103	-28	41.30	54.0	125	123	106	137
1893.....	48.7	102	-25	44.26	61.6	126	116	120	129
1894.....	51.3	103	-28	43.69	63.1	117	132	116	117
1895.....	49.4	104	-25	33.51	39.7	104	143	115	107
1896.....	50.5	101	-26	41.95	42.4	114	124	113	129
1897.....	50.0	103	-12	42.73	37.2	124	128	106	131
1898.....	51.3	107	-16	45.49	38.8	130	123	107	135
1899.....	50.0	101	-39	40.93	47.9	112	134	111	120
1900.....	51.5	104	-23	37.31	33.3	111	130	114	121
1901.....	49.4	107	-22	45.54	35.4	123	118	111	136
1902.....	49.6	100	-24	47.29	60.3	125	123	115	127
1903.....	49.6	99	-17	46.27	37.3	121	130	105	130
1904.....	47.5	99	-42	40.44	50.8	127	133	104	129
1905.....	49.4	99	-25	43.34	40.9	128	133	109	123
1906.....	50.8	99	-21	42.78	45.0	129	128	104	133
1907.....	48.5	98	-23	45.45	54.5	132	136	102	127
1908.....	50.9	104	-29	39.58	54.4	108	157	104	105
1909.....	50.2	100	-19	37.38	41.4	117	140	102	123
1910.....	49.9	99	-22	38.99	67.6	119	135	99	131
1911.....	51.1	105	-18	45.52	39.2	133	131	93	141
1912.....	49.0	100	-35	44.13	38.6	126	133	99	134
1913.....	51.7	102	-9	43.25	24.4	125	148	84	133
1914.....	49.3	101	-28	38.24	64.2	122	144	97	124
1915.....	50.1	99	-26	44.26	42.8	131	141	99	125
1916.....	49.6	103	-31	40.98	51.4	133	153	100	113
1917.....	47.3	105	-29	41.71	45.6	130	143	110	112
1918.....	50.2	108	-34	44.06	43.4	124	156	98	111
1919.....	51.1	104	-23	46.86	26.2	136	152	96	117
1920.....	49.2	99	-23	40.63	46.0	101	146	102	118
1921.....	53.1	104	-15	41.80	30.2	130	155	96	114
1922.....	51.4	100	-19	34.88	39.1	119	155	97	113
1923.....	50.4	103	-20	39.17	40.7	125	158	91	116
1924.....	48.4	102	-25	43.13	44.1	123	151	97	118
1925.....	50.3	104	-29	37.86	44.2	124	149	101	115
1926.....	48.7	105	-20	43.11	49.8	135	136	99	130
1927.....	50.9	100	-24	42.30	30.3	140	142	91	132
1928.....	50.5	99	-23	42.06	37.8	131	145	102	119
1929.....	50.5	101	-20	44.21	36.7	129	144	99	122
1930.....	51.2	108	-24	28.82	27.6	110	153	94	118
1931.....	52.8	105	-16	37.36	22.5	123	151	94	120
1932.....	51.6	105	-14	39.02	27.8	121	152	92	122
1933.....	51.7	107	-22	45.43	33.1	135	146	96	123
1934.....	50.6	107	-34	39.17	30.4	118	159	95	111
1935.....	50.2	104	-26	40.43	49.7	136	138	92	135
1936.....	50.4	111	-30	42.57	50.1	127	147	93	126
1937.....	50.7	101	-14	46.62	27.1	139	134	96	135
1938.....	51.8	100	-20	40.31	30.1	131	142	95	128
1939.....	51.7	101	-18	37.06	33.8	126	142	97	126
1940.....	48.6	105	-19	43.71	47.9	133	120	94	152
Period.....	50.2	111	-42	42.08	41.7	125	138	102	125

KILLING FROSTS OR FREEZING TEMPERATURE

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
Allentown.....	Apr. 24	Oct. 17	Lawrenceville.....	May 12	Sept. 26
Altoona.....	May. 12	Sept. 26	Lebanon.....	Apr. 25	Oct. 10
Bedford.....	Apr. 27	do. 27	Meadville.....	May 11	Sept. 27
Brookville.....	May 11	do. 26	Midland.....	do. 5	Oct. 17
Carlisle.....	Apr. 29	do. 27	Muncy Valley.....	do. 12	Sept. 26
Center Hall.....	May 11	do. 27	New Castle.....	do. 10	do. 26
Chambersburg.....	do. 12	Oct. 19	Newell.....	do. 5	Oct. 20
Chambersville.....	do. 12	Sept. 26	Philadelphia.....	Apr. 14	do. 19
Claysville.....	do. 12	do. 26	Pittsburgh.....	do. 21	do. 19
Clearfield.....	do. 12	do. 26	Port Clinton.....	May 12	Sept. 27
Coatesville.....	Apr. 25	do. 27	Quakertown.....	Apr. 29	do. 27
Corry.....	May 12	do. 25	Reading.....	do. 15	Oct. 19
Coudersport.....	do. 19	do. 26	Retreat.....	May 12	Sept. 27
Emporium.....	do. 12	do. 26	Scranton.....	do. 13	do. 26
Ephrata.....	Apr. 25	Oct. 19	Selinsgrove.....	Apr. 25	Oct. 17
Erie.....	do. 23	do. 19	Sharon.....	do. 29	do. 17
Franklin.....	May 12	Sept. 26	Somersett.....	May 4	do. 17
George School.....	Apr. 23	Oct. 17	State College.....	Apr. 28	Sept. 26
Gettysburg.....	do. 25	do. 19	Stroudsburg.....	do. 27	do. 27
Gordon.....	May 12	Sept. 27	Towanda.....	May 12	do. 27
Goldsboro.....	Apr. 26	Sept. 26	Uniontown.....	do. 12	Oct. 19
Greensburg.....	May 10	do. 27	Vandergrift.....	do. 5	Sept. 26
Greenville.....	do. 5	Oct. 18	Warren.....	do. 12	do. 26
Harrisburg.....	Apr. 14	do. 19	Waynesburg.....	do. 12	do. 26
Hawley.....	May 12	Sept. 26	Wellsboro.....	do. 12	do. 26
Huntingdon.....	do. 12	do. 26	West Chester.....	Apr. 23	Oct. 19
Johnstown.....	do. 12	do. 26	Williamsport.....	do. 29	Sept. 27
Kane Airway Station.....	do. 12	do. 26	Williamstown.....	do. 23	Oct. 16
Lancaster.....	do. 12	do. 27	York.....	May 12	do. 19

MONTHLY STATE DATA

Month	Temperature						Precipitation					
	Mean	Dep. from normal	Highest sta. mean	Lowest sta. mean	Highest	Lowest	Average	Dep. from normal	Greatest	Least	Greatest in 24 hrs.	Average snow
January...	19.3	-9.1	27.2	10.5	56	-16	1.41	-1.82	4.74	0.44	2.20	8.4
February...	29.4	+1.0	36.2	18.0	63	-19	3.16	+0.28	5.58	1.13	3.19	19.3
March.....	32.4	+5.2	40.2	21.4	76	-13	4.89	+1.36	10.65	1.36	3.14	7.9
April.....	45.1	+3.4	55.8	33.8	82	9	5.30	+1.84	7.97	3.12	3.50	2.3
May.....	59.2	+0.3	63.6	52.1	93	22	4.46	+0.62	7.31	2.24	2.50	T.
June.....	67.8	+0.3	75.1	58.0	95	31	4.11	-0.02	9.25	1.40	2.54	0.0
July.....	72.3	+0.1	79.6	61.1	105	33	4.25	-1.60	7.73	0.76	4.03	0.0
August.....	68.8	+1.5	73.8	59.9	98	30	4.57	+0.36	9.36	1.91	5.46	0.0
September.....	61.4	+2.8	67.8	55.6	95	21	3.41	+0.02	6.97	1.27	4.80	0.0
October.....	50.0	+2.5	56.2	43.8	85	10	2.03	+1.19	4.69	0.74	1.72	1.1
November.....	41.3	0.0	47.9	35.4	78	9	4.04	+1.18	5.86	1.93	1.96	5.8
December.....	36.0	+4.6	45.8	28.2	68	-9	3.08	0.00	4.95	1.39	1.66	3.1
Year.....	48.6	-1.6	79.6	10.5	105	-19	43.71	+1.63	10.55	0.44	5.46	47.9

COOPERATIVE AND RAINFALL OBSERVERS

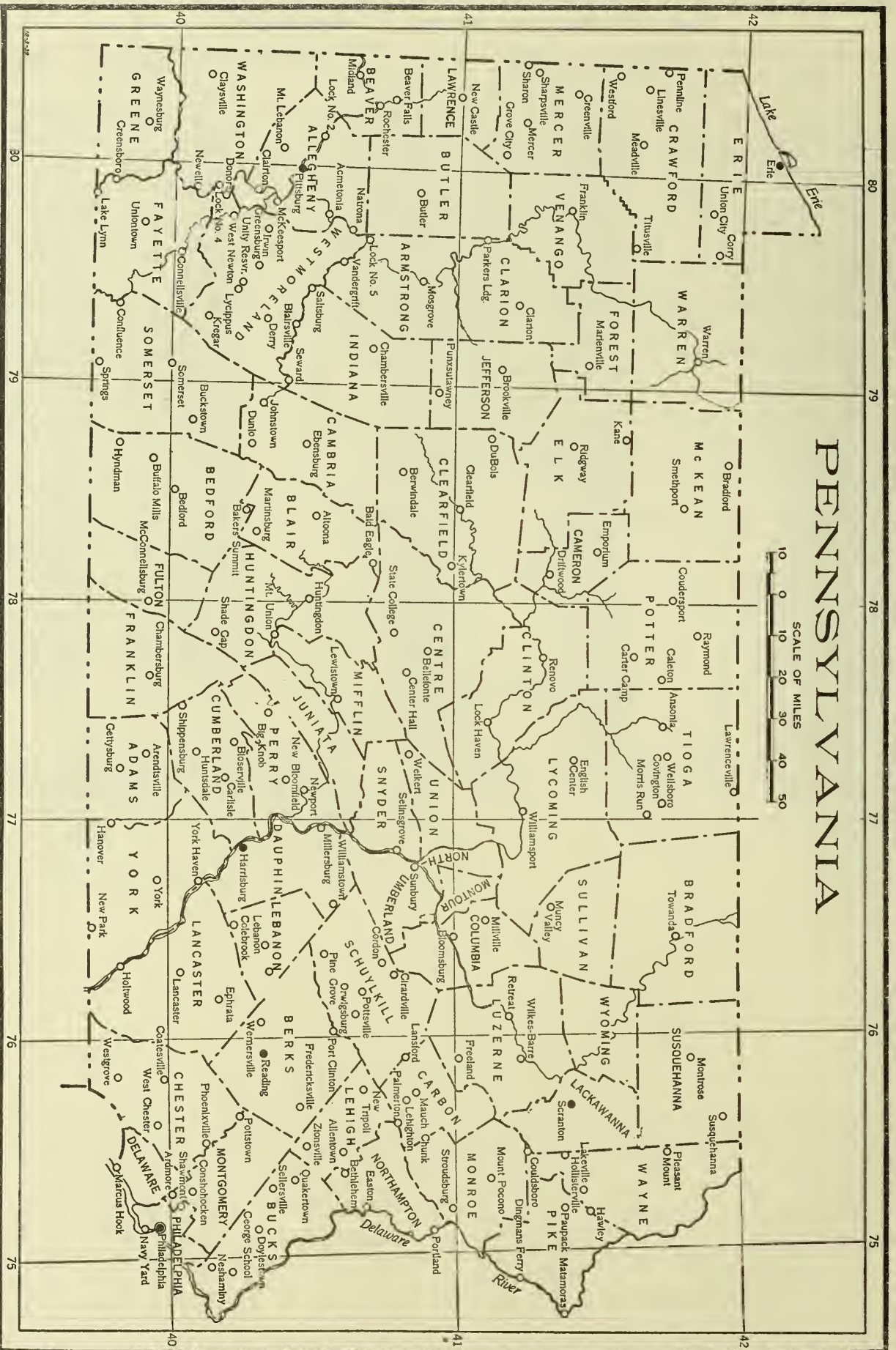
Stations	Observers	Stations	Observers	Stations	Observers
Allentown.....	John A. Frick.	Grove City.....	Prof. H. W. Harmon.	Philadelphia.....	Commandant, Navy
Altoona.....	Robert D. Goodfellow.	Hanover.....	Thomas Y. Cooper.	Navy Yard	Yard.
Ansonia.....	E. N. Jenckes.	Harrisburg.....	U. S. Weather Bureau.	Phila. Point Breeze..	Atlantic Refining Co.
Ardmore.....	H. L. Balderston.	Hawley.....	Mrs. Della M. Pennell.	Phoenixville.....	Phila. Sub. Water Co.
Arundelsville.....	Agricultural Expt. Sta.	Hollisterville.....	Penn. P. & L. Co.	Pine Grove.....	East Penn. Electric Co.
Bakers Summit.....	M. Snyder.	Holtwood.....	H. W. Lowy, C. E.	Pittsburgh.....	U. S. Weather Bureau.
Beaver Falls.....	W. Edward Eakin.	Huntingdon.....	Prof. Paul R. Yoder.	Pleasant Mount.....	Merle Lillie.
Bedford.....	Charles C. Lee.	Hyndman.....	W. J. Emerlek.	Port Clinton.....	E. E. Ranick.
Bethlehem.....	Lehigh University	Irwin.....	Westmoreland Water Co.	Pottstown.....	Daily Mercury.
Big Knob.....	John L. Beuston.	Johnstown.....	Robert Tross.	Pottsville.....	Pottsville Water Co.
Blairsville.....	U. S. Airway Station.	Kane Airway Station	U. S. Airway Station.	Praxsautawauy.....	J. E. Thomas.
Bloomsburg.....	Bloomsburg Water Co.	Kegonsa.....	L. A. Knapp.	Quakertown.....	John E. Benner.
Blosserville.....	Mrs. Bessie J. Willders.	Kyletown.....	U. S. Weather Bureau.	Reading.....	U. S. Weather Bureau.
Bradford.....	City Water Dept.	Lake Lynn.....	West Penn Power Co.	Renovo.....	Mrs. C. W. Balid.
Brookville.....	Frank S. Fawcett.	Lakeville.....	Penn. P. & L. Co.	Retreat.....	Theo. J. Sampson.
Buffalo Mills.....	Nelle R. Brown.	Lancaster.....	Supt. Water Works.	Ridgway.....	West Penn. Power Co.
Butler.....	The Butler Eagle.	Lansford.....	Lehigh Nav. Coal Co.	Saltsburg.....	Walter B. Sullivan.
Carlisle.....	Clarence E. Miller.	Lawrenceville.....	C. P. Darling.	Scranton.....	U. S. Weather Bureau.
Center Hall.....	Wm. W. Kerlin.	Lebanon.....	Lebanon Valley Gas Co.	Schuylkill.....	D. George E. Fisher.
Chambersburg.....	Wm. R. Spear.	Lehighton.....	Paul Artz.	Sharon.....	H. H. Gerber.
Chambersville.....	John E. Lewis.	Lewistown.....	Penn.-Edison Co.	Shawmont.....	Joseph J. Bryza.
Clarion.....	Clarion River Power Co.	Linesville.....	Cecil Craig.	Shippensburg.....	Keith B. Allen.
Claysville.....	J. L. Melvin.	Lock Haven.....	Joseph A. Beaver.	Smethport.....	A. Z. Hileman.
Clearfield.....	Otto J. W. Eppers.	Lock No. 3 ¹	U. S. Engineer.	Somerset.....	D. L. Grove.
Coatesville.....	Howard L. Pyle.	Lock No. 4 ¹	U. S. Engineer.	South Mountain.....	Edgar P. Monn.
Colebrook.....	William A. Korer.	Lock No. 4 ²	U. S. Engineer.	Springs, A.....	Allen E. Yoder.
Confluence.....	John L. Reed.	Lock No. 5 ¹	U. S. Engineer.	State College.....	Dr. H. Landsberg.
Conne lsville.....	Vincent L. Atkins.	Lock No. 8 ¹	U. S. Engineer.	Stroudsburg.....	State Teachers College.
Conshohocken.....	Russell C. Erb.	Lycippus.....	Westmoreland Water Co.	Sunbury.....	Chas. W. Baylor.
Corry.....	Penn. Electric Co.	Marcus Hook.....	Sun Oil Co.	Susquehanna.....	Raymond J. Holleran.
Coudersport.....	Philip R. Shaw.	Matamoras.....	Henry Biland.	Towanda.....	Mrs. M. Ordella Parks.
Dam No. 7 ¹	Perry Campbell.	Mauch Chunk.....	Henry S. Haak.	Uniontown.....	Wm. W. Marsteller.
Depot No. 2 ¹	U. S. Engineer.	McKeesport.....	F. N. Evans.	Unity Reservoir.....	Westmoreland Water Co.
Derry.....	N. Dixie Wieman.	Meadville.....	Paul F. Coy.	Vandergrift.....	Carnegie-III. Steel Corp.
Donora.....	Donora Zinc Work.	Mercer.....	U. S. Airway Station.	Warren.....	Harold L. Johnson.
Doylestown.....	Geo. Hart.	Montrose.....	Philip F. Chamberlain.	Waynesburg.....	Thomas S. Knox.
Dn Bois.....	City Engineer.	Morris Run.....	Morris Run Mining Co.	Weikert.....	David Libby.
Ebensburg.....	Robert Wasser.	Mt. Lebanon.....	Fred Hoffman.	Wellsboro.....	George W. Hill.
Emporium.....	E. M. Poorman.	Mount Pocono.....	H. O. Hacker.	Wernersville.....	Milton J. Sterner.
Ephrata.....	Ira J. Keith.	Mount Union.....	Melvin H. Diven.	West Chester.....	Harlan Saylor.
Erie.....	U. S. Weather Bureau.	Muncy Valley.....	Phila. Sub-Water Co.	Westford.....	Mrs. Nellie C. Collins.
Franklin.....	William K. Fuller.	Neshaminy Falls.....	J. Earl Sheaffer.	Westgrove.....	Conard-Pyle Co.
Fredericksville(near)..	Henry H. Rohrbach.	New Bloomfield.....	New Castle Water Co.	West Newton.....	A. B. Adams.
Freeland.....	Andrew B. Evansha.	New Castle.....	General Chemical Co.	Wilkes-Barre.....	U. S. Airway Station
Galeton.....	W. Gale Lush.	Newell.....	C. J. Allen.	Wilkes-Barre.....	J. B. Mirmak.
George School.....	N. W. Swayne.	New Park.....	R. W. Wright	Williamsport.....	Mrs. Veronica A. Keller.
Gettysburg.....	Dr. Henry Stewart.	Newport.....	F. Oswald.	Williamstown.....	Susq. Collieries Co.
Girardville.....	Girard Water Co.	New Tripoli.....	H. F. Snyder.	York.....	C. L. Bott.
Gordon.....	Sallie M. Johnson.	Orwigsburg.....	New Jersey Zinc Co.	York Haven.....	Metropolitan-Edison Co.
Gouldsboro.....	Steward W. Eilenberger.	Palmerton.....	Henry Turk.	Zionsville.....	J. H. Weinberger.
Graterford.....	C. K. Kulp.	Parkers Landing.....	Penn. Power & Light Co.		
Greensburg.....	Westmoreland Water Co.	Paupack.....	Retta Crumb.		
Greensboro.....	John D. Sedgwick.	Penn Line.....	U. S. Weather Bureau		
Greenville.....	C. P. Clarke.	Philadelphia.....			

Note: Stations appearing in the precipitation table and which are not here listed are automatic gage stations under the supervision of the U. S. Geological Survey.

Harrisburg, Pa. † River Station. * Midland. ^b Coraopolis. ^c Acmetonia. ^d Charleroi(Monongahela River). ^e Natrona(Allegheny River). ^f Schenley

^g Mosgrove

WEATHER BUREAU AND COOPERATIVE STATIONS, 1940



CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER

HARRISBURG, PA.

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GENERAL SUMMARY.

The January average temperature was only slightly below normal, which was a sharp contrast with that of the first month of 1940 by being some 8 degrees warmer. There were several short periods of cold, the most severe and general occurring on the 14th and 15th, but minima were above those to be expected at this time of the year. Likewise, no extremes in maximum temperatures were experienced, 58° being the highest reported by any station. Warmest periods were those at the beginning of the month and about the 22d. Sectional averages were as follows:- Lake Erie 28°, the Plateau and Mountain areas 26°, the Southwestern and Southeastern counties 30°.

Light amounts of precipitation occurred frequently but the average total for the month was below normal. A few stations did report excesses, but these were slight. Heaviest general precipitation fell as rain, sleet and snow on the 15th to the 17th. Notwithstanding the deficiency in total precipitation, snowfall was 4.0 inches above normal. Light amounts fell during the first half of the month and the ground had little or no snow-cover until the latter half, when more abundant snow occurred. Moderate to heavy snow fell over most sections on the 24th and 27th. The storm of the 27th caused badly drifted highways in all sections. Automobile traffic was paralyzed and side roads were completely blocked. Schools were closed in both city and rural districts. Airplane traffic was at a standstill on account of bad field conditions. Several deaths were attributed to this storm.

The weather, as a whole, was favorable for outdoor work the first half of the month but the second half was generally unfavorable. Condition of cattle remained favorable and feed was plentiful. Due to ample snow-cover during the latter half of the month, winter grains continued in good condition. Husking of corn was practically over by the end of the month.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 87 stations, was 27.9°, which is 0.4° below the 54-year normal for January. The highest monthly mean was 33.3° at Marcus Hook, Delaware County, and the lowest was 20.0° at Mt. Pocono, Monroe County. The highest temperature recorded during the month was 58° at Claysville, Washington County, on the 2d, and at Donora, Washington County, on the 17th. The lowest during the month was -10° at Coudersport, Potter County, on the 14th. The greatest daily range in tem-

perature was 53° at Ridgway, Elk County, on the 22d.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 143 stations, was 2.62 inches, which is 0.59 inch less than the 54-year normal for January. The greatest monthly amount was 4.15 inches at Mount Pocono, Monroe County, while the least was 1.11 inches at Millville, Columbia County. The greatest amount recorded in any 24 consecutive hours was 1.82 inches at Zionsville, Lehigh County, on the 17th.

The average snowfall for the State was 14.6 inches, which is 4.1 inches above the 54-year average. The greatest total snowfall for the month was 31.5 inches at Mt. Pocono, Monroe County. The greatest fall for any 24 consecutive hours was 12.0 inches at Retreat, Luzerne County, on the 24th.

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snow fall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	23.2	61	-19	4.19	14.0	13	5	11	15
1889.....	29.4	68	-5	3.54	7.8	10	9	13	9
1890.....	37.5	77	-2	3.04	1.8	14	7	8	16
1891.....	30.5	64	-4	3.64	9.8	12	6	10	15
1892.....	26.2	66	-28	4.77	13.5	12	8	8	15
1893.....	19.0	57	-25	2.55	18.0	12	7	10	14
1894.....	32.8	65	-9	2.29	7.2	10	9	9	13
1895.....	24.2	58	-17	4.17	14.2	13	7	10	14
1896.....	27.6	60	-15	1.43	3.4	6	8	9	14
1897.....	25.6	74	-25	2.15	11.0	10	8	8	15
1898.....	30.7	67	-16	4.25	11.0	13	6	8	17
1899.....	26.6	66	-21	3.05	10.3	10	12	8	11
1900.....	29.8	63	-8	2.64	5.3	10	8	9	14
1901.....	29.1	59	-10	2.22	8.6	11	8	9	15
1902.....	25.6	58	-13	2.80	11.5	9	8	9	14
1903.....	26.9	68	-13	3.31	11.7	11	6	8	17
1904.....	20.0	66	-42	3.55	20.4	12	10	6	15
1905.....	23.8	69	-21	3.70	21.2	12	8	8	15
1906.....	35.0	85	-4	2.53	4.5	11	10	8	13
1907.....	30.0	75	-23	4.26	13.2	15	6	7	15
1908.....	28.4	59	-18	2.68	11.4	9	12	8	11
1909.....	31.2	72	-19	2.92	12.8	13	9	6	16
1910.....	27.2	56	-22	5.55	26.0	14	7	5	19
1911.....	31.6	70	-5	3.54	4.5	13	8	5	18
1912.....	18.6	57	-35	1.92	13.6	12	8	7	16
1913.....	36.5	65	3	4.95	4.5	16	9	6	16
1914.....	30.2	81	-27	3.37	11.7	11	7	7	17
1915.....	28.3	62	-26	5.56	14.7	13	10	6	15
1916.....	34.2	76	-12	2.42	1.8	12	9	8	14
1917.....	27.9	59	-18	3.60	4.2	13	11	8	12
1918.....	16.2	57	-39	3.51	25.2	12	10	8	13
1919.....	32.0	64	-15	2.53	6.2	8	14	8	9
1920.....	20.9	59	-23	2.47	10.0	10	9	8	14
1921.....	31.0	63	-13	2.58	4.4	10	12	7	12
1922.....	25.0	62	-19	2.26	16.0	8	14	7	10
1923.....	29.1	62	-17	4.26	17.6	14	6	6	19
1924.....	28.1	65	-13	4.34	3.6	8	11	8	12
1925.....	25.2	55	-29	3.53	29.4	10	11	7	13
1926.....	27.8	66	-19	2.80	10.5	11	9	9	13
1927.....	27.4	61	-24	2.90	5.7	13	9	6	16
1928.....	29.8	65	-23	2.08	6.8	9	12	8	11
1929.....	27.3	73	-20	3.37	7.6	12	9	9	13
1930.....	29.2	72	-24	2.25	8.4	12	8	8	15
1931.....	30.0	65	-12	1.46	4.4	7	12	9	10
1932.....	40.5	79	9	4.51	1.3	14	7	6	18
1933.....	37.0	71	-6	2.00	1.9	8	12	7	12
1934.....	32.2	67	-19	2.54	2.3	11	8	8	15
1935.....	27.5	72	-23	3.08	13.5	11	11	6	14
1936.....	23.6	59	-30	4.21	19.4	14	8	7	16
1937.....	36.7	71	5	6.36	4.3	16	5	7	19
1938.....	28.9	66	-20	2.51	5.1	12	8	7	16
1939.....	30.3	69	-18	3.14	15.2	13	8	7	16
1940.....	19.3	56	-16	1.41	8.4	10	9	7	15
1941.....	27.9	58	-10	2.62	14.6	13	7	6	18
Period	28.3	85	-42	3.21	10.5	11	9	8	14

Climatological Data for January, 1941

stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days			Prevailing direction of wind	Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear			Pt. cloudy	Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	260	29	27.6	-1.7	46	1	8	30	27	3.24	-0.35	0.91	13.0	9	13	15	3	nw.	John A. Frick.
	Altoona.....	Blair.....	1,615	54	25.2	-2.5	46	23	5	14	29	4.02	+1.02	1.21	27.1	12	10	7	14	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	330	21	29.8	-1.8	51	23	10	30	25	3.76	+0.13	1.30	8.3	13	11	4	16	nw.	H. L. Balderston.
	Arendtsville.....	Adams.....	710	19	29.5	-0.6	45	11	10	14	27	3.08	+0.08	0.68	12.7	10	12	10	9	w.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,100	9	28.7		48	23	5	21	32	2.47		0.63	14.5	9	9	1	21	sw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	450	55	28.8	-1.8	49	1	10	30	22	2.79	-0.66	0.67	16.8	11	13	6	12	n.w.	Lehigh University.
	Bloomsburg.....	Columbia.....	560	15																	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	473	72	30.4	+1.8	48	1	11	14 [†]	28	3.25	+0.07	1.08	13.5	10	12	7	12	nw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	600	44	30.6	+0.8	49	1	12	21	24	2.60	-0.54	0.58	14.0	10	7	9	15	ne.	William B. Spear.
	Clearfield.....	Clearfield.....	1,260	40	25.5	-1.7	46	1	-2	14	40	2.99	-0.52	0.72		12	5	2	24	w	Otto J. W. Eppers.
	Coatesville.....	Chester.....	431	54	28.4	-1.9	48	23	9	30	28	3.03	-0.93	0.97	12.0	11	4	5	22	nw.	Howard L. Pyle.
	Colerbrook.....	Lebanon.....	630	29	27.6	-0.5	45	1	10	14 [†]	23	2.77	-0.64	0.80	11.4	10	10	5	16	w.	Wm. A. Rorer.
	Emporium.....	Cameron.....	1,050	56	26.4 ^d	+0.2	47 ^d	22	-4 ^d	14	42 ^d	2.43	-1.23	0.70		9	7 ^d	0 ^d	20 ^d	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	365	44	30.3	-0.1	50	1	11	14	25	2.68	-0.89	0.72	10.8	11	12	3	16	n.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,900	48	21.8	-2.4	40	1 [†]	0	14	26	2.19	-1.65	0.72	21.8	11	7	1	23	w.	Andrew B. Evanslia.
	George School.....	Bucks.....	160	35	30.1	-1.3	49	11	7	30	24	3.30	-0.45	0.65	11.1	11	9	13	9	nw.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	68	31.2	+1.2	48	23	13	14 [†]	25	2.66	-0.67	0.72	11.2	11	12	3	16	w.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	900	37	26.0	-1.0	44	1	5	30	28	2.54	-1.23	0.49	29.8	14	9	5	17	nw.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,890	26																	Steward W. Eilenberger.
	Hanover.....	York.....	600	37	31.0	-1.8	47	2	13	14	24	2.97	-0.18	0.70	11.1	13	10	4	17	n.	Thomas V. Cooper.
Harrisburg.....	Dauphin.....	337	72	29.7	+0.7	46	1	14	14	24	2.38	-0.71	0.78	10.3	11	7	4	20	nw.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	23	23.4	-1.9	44	22	-6	30	35	2.71	+0.07	1.02	25.6	14	11	11	9	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	26	31.0	-0.7	46	1 [†]	15	14	22	2.86	-0.30	0.79	11.0	11	9	8	14	nw.	H. W. Lowy, C. E.	
Huntingdon.....	Huntingdon.....	700	54	27.8	-1.1	48	9	0	21	38	2.60	-0.60	0.72	17.0	9	6	8	17	w.	Prof. Paul R. Yoder.	
Kyertown.....	Clearfield.....	1,700	12	24.0	-3.4	46	17	1	14	30	2.45	-0.09	0.62	14.5	18	5	3	23	w.	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	280	54	29.4	-0.7	47	1 [†]	5	30	29	2.73	-0.46	0.75	8.0	13	13	6	12	nw.	Supt. of Water Works	
Lawrenceville.....	Tioga.....	1,000	44	23.4	-1.9	45	18	-6	30	35	1.50	-0.47	0.65	17.0	10	6	5	20	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	469	57	27.7	-1.5	47	1	10	14	26	3.03	+0.31	0.80	15.0	8	11	13	7	ne.	Lebanon Valley Gas	
Lewistown.....	Mifflin.....	480	3	29.6	.....	48	1	11	14 [†]	25	2.48	.....	0.76	14.6	11	5	3	23	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	554	51	28.0	-0.2	51	1	3	14	31	2.03	-1.11	0.56	22.0	8	8	6	17	nw.	Joseph Beaver.	
Marcus Hook.....	Delaware.....	50	15	33.3	-2.1	53	22	14	29	26	3.26	-0.26	0.82	5.5	12	16	3	12	.....	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,656	86	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Philip F. Chamberlain.	
Mt. Pocono.....	Monroe.....	1,740	35	20.0	-3.4	45	23 [†]	-4	14 [†]	37	4.15	-1.18	1.20	31.5	12	8	4	19	nw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	864	29	24.1	-1.3	45	1	-5	14 [†]	28	1.76	-1.38	0.75	19.3	9	8	10	13	n.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	80	52	30.9	+1.5	52	23	11	21	22	3.34	-0.02	1.15	5.8	11	14	2	15	w.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	3	26.9	.....	44	1	5	21	50	3.66	-0.67	1.07	14.0	11	10	9	12	n.	J. Earl Sneider.	
Palmerton.....	Carbon.....	420	23	27.6	-1.6	48	1	7	30	29	2.21	-0.16	0.70	17.8	12	11	7	13	ne.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	70	31.8	-0.8	52	23	15	30	22	3.16	-0.14	1.02	6.2	12	11	4	16	n.	U. S. Weather Bureau.	
Phila. Navy Yard.....	Philadelphia.....	20	25	31.6	-1.4	50	23	16	14	24	2.95	-0.31	1.08	5.0	12	14	4	13	nw.	Navy Aerological Office.	
Phoenixville.....	Chester.....	100	31	30.4	-0.4	49	23	3	30	35	3.35	-0.28	0.84	9.1	11	10	13	8	nw.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	430	3	28.0	-1.0	45	1	7	30	26	2.92	-0.60	0.80	15.0	13	15	2	14	n.	E. E. Rarick.	
Quakertown.....	Bucks.....	480	56	26.8	0.0	45	23	1	30	31	2.69	-1.13	0.45	13.6	13	11	8	12	nw.	John E. Benner.	
Reading.....	Berks.....	273	71	30.0	-1.2	50	1	13	14	23	3.53	-0.04	0.98	19.7	11	8	6	17	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	47	25.4	-1.2	45	22	6	14	25	1.49	-1.54	0.65	16.1	12	5	6	20	nw.	U. S. Weather Bureau.	
Sellingrove.....	Snyder.....	420	51	27.9	-1.0	45	1	8	14 [†]	26	3.15	+0.13	0.82	23.0	11	8	6	17	nw.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	45	30.9	-1.1	48	23	12	30	24	3.26	-0.04	0.94	8.5	11	6	7	15	nw.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	600	8	29.4	.....	47	3	12	14	22	1.99	.....	0.88	8.5	9	10	7	14	w.	State Teachers College.	
State College.....	Centre.....	1,217	57	26.2	-0.7	44	23	7	14	23	1.86	-1.22	0.53	17.2	12	4	5	22	w.	Dr. H. Landsberg.	
Towanda.....	Bradford.....	754	47	24.6	-1.2	45	18	0	21	29	1.56	-0.58	0.54	21.9	13	6	13	12	nw.	Mrs. W. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,319	71	24.0	-0.2	42	22	-4	30	32	1.87	-0.40	0.79	15.8	11	10	4	17	n.	George W. Hill.	
West Chester.....	Chester.....	440	92	29.7	-0.9	50	23	10	30	23	3.07	-0.75	1.08	10.8	11	12	5	14	nw.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	3	25.0	.....	43	22	1	30	30	2.14	-0.25	0.66	20.4	17	2	12	17	ne.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	542	55	26.5	-1.2	45	1	5	21	25	2.63	-0.33	0.83	23.7	12	9	4	18	w.	Mrs. Veronica A. Keller.	
Williamstown.....	Dauphin.....	1,275	26	26.8	-1.9	48	1	4	14	26	1.98	-1.08	0.60	14.5	11	9	10	12	se.	Susquehanna Collieries Co.	
York.....	York.....	400	53	30.2	-0.1	48	1	8	29	28	2.47	-0.60	0.82	14.1	12	11	6	14	n.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	51	24.2	-0.5	46	22	-5	14 [†]	50	3.43	+0.20	0.84	18.5	18	4	2	25		Frank S. Fawcett.
	Butler.....	Butler.....	1,077	28	28.6	-0.8	53	17 [†]	-1	21	39	1.95	-1.28	0.45	19.0	11	4	6	21	w.	William C. Faust.
	Claysville.....	Washington.....	1,150	36	29.8	-1.3	58	2	6	21	36	3.00	-0.25	1.16	8.6	18	9	6	16	s.	J. L. Melvin.
	Corry.....	Erie.....	1,430	28	23.7	-1.7	44	1	-2	15	41	2.61	-1.51								

Daily Precipitation for January, 1941

Stations	Drainage Basin	Day of month																																Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Atlantic Drainage																																				
Allentown ²	Lehigh			.31	.04						T.						T.	.18	.91	.08						.42	.77		.61	.32			3.24			
Altoona ²	Juniata		.66		.02					.05							T.		.72	.14	.06	.04				.24	.81		.12	.10	.08	T.	T.	4.02		
Arsenault ²	W. Br. Susq.			.20		.01					.02						T.	.02	.03	.09	T.					.20	.81	.39	.13	.09	.01	T.		1.19		
Ardmore ²	Lower Del.		.46		.04					.02								.02	1.30	.10	.05	T.				.03	T.	1.06	.09	.10	.44	.03	T.	T.	3.76	
Arundelville ²	Lower Susq.		T.	.41		.03												.06	.32	.56	.02					.08	T.	.66	.68	.26			3.08			
Baker's Summit	Juniata		.29	.11						.06									.65	.05						.13	.50		.16	.68	.64		.01	2.33		
Bald Eagle L.	Middle Susq.		.45							.06									.51	.09					.20	.05	.4		.34	.62	.03			2.79		
Bedford ²	Juniata		T.	.20	T.	.05					T.		T.					T.	.20	.63					.09	.10			.50	.20				2.47		
Bellefonte ²	W. Br. Susq.																																			
Berwindale ²	W. Br. Susq.		.51							.19	.01							.03	.38	.10	.03	.02	.02		.36	.06	.61		.32	.66	.03	.04	.09		3.18	
Bethlehem ²	Lehigh		.11	.37	.03	T.					T.							.03	.21	.67	T.	T.				.13	.27	.3	T.	.52	.11			2.79		
Big Knob ²	Susquehanna			.25	.01	.05												T.	.40	.65			T.			.16	T.	.72		.69	.32	T.	T.	3.31		
Bloomersburg	Susquehanna																																			
Blossville ²	Lower Susq.		.15	.18	.01						T.							.04	.98	.04		T.	T.			.08	.86		.06	.86	.10			3.26		
Buffalo Mill ²	Potomac			.18															.37	.32							.15	.38		.52	.17			2.69		
Carlisle ²	Lower Susq.		.26	.09	T.						T.							.03	1.08	.06		T.				.08	.70	.03	T.	.7	.22			T.	3.25	
Carter Camp ²	W. Br. Susq.		.20		.03		.05			.08									.21	.04		.05			.29	.76		.10	.23	.02				2.66		
Centre Hall	Susquehanna									.05									.85		.12				.05	.61			.69	.21						
Chambersburg ²	Potomac		.01	.30	.02	T.					T.							.04	.29	.55					T.	.08	T.	.58	T.	.49	.24			T.	2.60	
Clearfield ²	W. Br. Susq.		T.	.55	T.	T.	.01				T.	.12	T.			T.		.18	.18	.14	.06	.01				.30		.72		.41	.28			T.	2.99	
Coatesville ²	Lower Del.		.42		.10					.01								.01	.97	.08						.06	.54		.12	.65	.07			3.03		
Colebrook ²	Lower Susq.		.38	.03	.06					.02								T.		.80						T.	.09	.77		*	*	.62		T.	2.77	
Coushock ²	Schuylkill		.24	.11	.03					T.		T.							.83	.18	T.					.04	.81	.19		.44	.27			.02	3.16	
Coyington ²	N. Br. Susq.			.40		.10												.05		.10						.10		.65		.30	.10			1.80		
Doylestown ²	Lower Del.		.19	.17	.05						T.							T.	.77	.25						.16	.28	.37		.35	.22			T.	2.81	
Driftwood ²	W. Br. Susq.		.34			.05				.07								.02	.14	.05						.80	.62		.08	.22				1.89		
Du Bois ²	W. Br. Susq.		.26	.08	.02	T.	.02			.11				T.	T.			T.	.12	.03	.03	.03			.03	.36	.39	.02	.02	.11	.07	.02	.02	.65	1.79	
Emporium ²	W. Br. Susq.		.28	.43		.10				.10								.12						.23		.42	.70		.28	T.				.05	2.43	
English Center ²	W. Br. Susq.		.28		.03					.05								.05	.29	.07					.10		.72		.01	.25				1.86		
Ephrata ²	Lower Susq.		.32	.02	.10					T.	T.							.03	.72	.10	T.	T.				.14	.69	.07	T.	.43	.04			T.	2.68	
Fredericksville ²	Schuylkill			.29	T.	T.					.02							T.	.29	1.08						.16		.76		.54	.22			T.	T.	3.36
Freeland ²	Lehigh			.26			T.	T.			.12							T.	.28	.06	*	.05	T.				.72		.36	.31	T.	.02	.01		2.19	
Galeton ²	N. Br. Susq.		.30	.20	.01	T.	T.			.04								T.	.04	.19	.02	.01	.01			.21	.44	.76		T.	.34	T.	.02	T.	2.01	
George School ²	Lower Del.		.19	.06	.02						T.							T.	.54	.62	.01	.01				.17	.31	.65		.32	.22			T.	3.30	
Gettysburg ²	Potomac		.36	.06	T.						T.							.04	.72	.09						.06	.36	.10	.08	.64	.15				2.66	
Girardville ²	Lower Susq.		.22	.02	.04					.20								.07	.66	.03	T.	.02				.12	.61		.50	.17		.03	.02		2.71	
Horicon ²	Lower Susq.		.08	.29	.17					.18	.07							.06	.49	.10						.14	.22	.26		.35	.08		.05		2.54	
Houdersburg ²	Lehigh		.21	.46		T.												T.	.72	.14	.02					.64	.23		.82	.26					3.51	
Irvington ²	Schuylkill		.31	.06	.07						T.							.03	.70	.11	.02					.10	.58	.20	.03	.56	.20			T.	2.97	
Jacobusburg ²	Lower Susq.		.23	.01	T.					T.								.07	.76	.03	.01	T.	T.		.07	T.	.63	T.	.24	.28	.05			T.	2.38	
Jawley ²	Upper Del.		.35	.03	T.		.01			.08	T.							T.	.01	.10	.58	.01	T.	.01			.04	1.02		.19	.29		.01	.02		2.71
Hollisterville ²	Upper Del.		.41	.05	.01	T.	T.			.07								T.	.08	.54	.12	.09	.01			.06	1.16		.19	.32	T.		.07		3.16	
Holtwood ²	Lower Susq.		T.	.24	.14	.02												.03	.24	.55	.02	T.				.04		.79		.52	.25				2.86	
Huntingdon ²	Juniata		.46	T.	.03	T.													.87	.11						.14	.55	T.	.18	.37	.11	T.			2.60	
Huntsdale ²	Lower Susq.		.19							.03								T.	.54	.18	T.	T.			.07	.63		.19	.42	.03					2.63	
Hyndman ²	Potomac		T.	.26	T.		T.			T.	T.							T.	.36	.07	.06	.02	T.			.07	.63	.55		.40	.18				2.21	
Kylertown ²	W. Br. Susq.		.29	T.	.04	.01	T.			.10	T.	.03	T.					.02	.36	.07	.06	.02	T.		.25	T.	.62	T.	.16	.29	.03	.06	.02	.02		2.45
Lakeville ²	Upper Del.		.39	T.	T.					.04								T.	.14	.63	T.	T.	T.			T.	.85		.20	.33	T.	T.	T.		2.58	
Lancaster ²	Lower Susq.		.33	.04	.15					.01								.03	.75	.10	.01					T.	.54	.14	T.	.45	.08			T.	2.73	
Lansford ²	Lehigh		.33	.10	.04					.09									.48	.43						.11		.75		.30	.33			T.	2.96	
Laurelton ²	Lower Susq.		.20	.19						.02								.07</																		

Daily Precipitation for January, 1941—Continued from page 3

Stations	Drainage Basin	Day of month:																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Renovo ²	W. Br. Susq.			.44	.03						.11						.12	.13	.07					.18		.50		.18	.18				1.94	
Retreat	N. Br. Susq.	*	.24	.07							.35					.16	.36		.07				.06	*	1.02		.40						1.49	
Scranton ¹	N. Br. Susq.		.16	.04						.15						.02	.21		.01	.04				.01	.65	.20		.16	.02		.03		3.15	
Selinsgrove ²	Lower Susq.		.12	.24						.04						.02	.82	.18	.04						.65	.20		.74	.10				2.77	
Sellersville ¹	Lower Del.		.26	.05	.05											.04	.92	.31					.16	.01	.50	.16	.09	.22					2.78	
Shade Gap ¹	Middle Susq.		.18													.09	.67	.10					.14		.48	.02	.23	.24	.03				2.78	
Shawmont ¹	Schuylkill		.22	.18	.02											.04	.39	.01					.09	.39	.56		.39	.07					3.26	
Shippensburg ¹	Lower Susq.		.18	.08												.05	.88	.02					.10	.36		.03	.29						1.99	
South Mountain ¹	Potomac		.03	.32												.04	.25	.64					.10	.1	.61		.58	.32					2.83	
State College ³	W. Br. Susq.		.24							.01						.53	.02	.03	.01				.10	.01	.43		.17	.28	.03				1.86	
Sunbury ²	Lower Susq.		.29		.02					.03						.32	.64	.03					.10		1.05		.41	.88					3.77	
Susquehanna ²	N. Br. Susq.		.23	.04	.01	.01				.08						.02	.18								.50		.10	.11			.01	.69	1.44	
Towanda ¹	N. Br. Susq.		.17							.02						.01	.16	.04					.06		.01	.54	.06		.38	.07	.01	.03		1.46
Wellsboro ²	N. Br. Susq.		.36		.02					.02						.02	.02	.11					.09		.79		.25	.17					1.87	
Wernersville ² [ur]	Schuylkill		.31	.09	.09					.01						.14	.75	.03					.14		.85		.21	.59	.07				3.14	
West Chester ¹	Lower Del.		.40	.01	.04											.16	.14						.06	.74	.06		.44	.08					3.07	
West Grove ²	Lower Del.		.42	.08	.04					.02						.30	.55	.02	.03					.05	.45		.56	.08					2.60	
Wilkes-Barre ² *	N. Br. Susq.		.24	.12	.03					.05						.03	.37	.06	.06	.11				.05	.66	.03	.22	.06	.02	.02			2.14	
Wilkes-Barre ² g	N. Br. Susq.		.19	.13	.04					.20						.02	.12	.22	.02	.12				.05	.74		.12	.17					2.16	
Williamsport ²	W. Br. Susq.		.35		.01					.05						.01	.35	.33	.03					.06	.83		.30	.29					2.63	
Williamstown ¹	Lower Susq.		.09	.16						.04	.01					.60	.11						.07	.31	.25		.26	.08					1.98	
York ¹	Lower Susq.		.31	.06	.14											.02	.82	.05					.07	.51	.22	.06	.10	.11					2.47	
York Haven ²	Lower Susq.		.30	.08												.01	.29	.48					.08	.1	.64		.36	.18					2.42	
Zionsville (near) ²	Schuylkill		.31	.14						.06						.68	1.82	.06						.48	.42		.82	.19					4.98	
Treuton, N. J. ¹	Lower Del.		.34	.13	.05											.01	1.13	.02					.12		.96		.08	.63	.02				3.49	
Ohio Drainage																																		
Acinetonia ²	Allegheny		.53		.03						.14	.20				.23	.15	.06	.07				.26	.10	1.12		.34	.26					3.49	
Beaver Falls ²	Beaver		.50		.10					.05	.02	.16				.08	.11	.08					.14	.10	.73		.40	.05					2.33	
Blairsville ²	Allegheny		.45		.01	.04				.35	.06	.01				.14	.17	.05	.07	.03	.02			.31	.09	.31	.01	.09	.23	.02	.01	.11	2.58	
Bradford ¹	Allegheny		.11	.05	.05					.16						.1	.18	.10	.10				.43	.29	.15	.05	.05	.10	.05	.22			2.26	
Brookville ²	Allegheny		.55		.06	.06				.10	.13	.02				.17	.04	.08	.02				.55	.1	.84		.32	.29	.02	.02			3.43	
Buckstown ¹	Allegheny		.41							.10	.04	.02				.34	.08	.06	.02				.22	.07	.25		.12	.19	.03	.03	.04		2.18	
Butler ²	Ohio		.32	.09	.05					.11	.06					.20	.14		.10	.05				.45	.12		.40						1.95	
Clarion ²	Allegheny		.49		.04					.09	.16	.04				.02	.17	.12	.08				.43	.1	.74		.13	.28	.33		.03	.13	2.95	
Claysville ¹	Ohio		.21	.37	.04					.05	.01	.10				.04	.31	.02	.03	.10			.13	.24	1.16		.18	.31	.04	.01			3.60	
Confluence ²	Youghiogheey		.37		.02					.12	.05					.33	.31	.03	.06				.28	.09	.27		.57	.15	.01				2.69	
Connellsville ²	Monongahela		.01	.37		.02				.05	.07					.1	.10	.02	.02				.21	.09	.22		.44	.51					2.45	
Coraopolis ²	Ohio		.50		.02	.01				.05	.02	.12				.01	.10	.12	.02	.02			.20	.17	.71		.25	.09					2.42	
Corry ¹	Allegheny		.50		.05	.12				.07	.12	.02				.06	.04	.03	.11	.06	.08		.09	.20	.67	.05	.06	.18	.07	.04	.05	.05	2.34	
Coudersport ¹	Allegheny		.23	.03	.02	.06	.07			.08						.28	.06		.66				.03	.25	.43	.03	.06	.49	.06	.05			2.49	
Derry ¹	Conemaugh		.46		.03	.02				.15		.03				.30	.03	.02					.15	.1	.97		.04	.62	.01				2.57	
Donora ³	Monongahela		.28		.01					.04	*	.08				.01	.33	.10	.08	.02			.25	.07	.19		.03	.11	.05	.09	.07		2.44	
Dunlop ¹	Allegheny		.15	.37	.02	.02		.04		.01		.05	.09			.11	.40	.14	.03	.04			.10	.04	.15		.37	.1	.09				2.69	
Ebensburg ¹	Conemaugh		.47	.09	.05	.04				.09	.03					.20	.09	.22	.02				.37		.48		.10	.17					2.26	
Franklin ²	Allegheny		.22		.05	.02				.14	.04	.06				.20	.09	.22	.02				.37		.48		.10	.17					2.26	
Greensburg ²	Monongahela		.01	.28						.05	.07	.01				.03	.22	.10	.02	.04			.19	.10	.37		.53	.21	.01				3.14	
Greensburg ¹	Youghiogheey		.50	.04	.05	.02	.03			.13	.07					.01	.30	.07	.06	.02			.14	.01	.96		.06	.55	.05	.03	.02		3.14	
Jrove City ¹	Beaver		.21	.09						.22	.12					.21	.13	.13	.08	.04			.35	.12	.40		.04	.30	.05	.02			2.56	
Irwin ¹	Monongahela		.42	.08	.02					.06	.07					.26	.05	.07	.02	.01			.06	.18	.88		.05	.61	.11				2.97	
Johnstown ¹	Conemaugh		.79	.10	.04	.01	.01			.22	.04					.04	.46	.05	.03	.02	.04			.11	.19	.33		.04	.51	.01	.02	.07	.06	3.19
Kane ¹|||	Allegheny																																2.16	
Lake Lynu ²	Monongahela		.24		.02	.01				.01	.14	.02				.04	.04	.21	.04	.03	.05			.20	.07	.23		.42	.31	.01	.01	.03	2.74	
Lock No. 4 ²	Monongahela		.03	.22	.05		.01			.03	.04	.09																						

Daily Temperatures for January, 1941

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Altoona	Maximum...	48	37	36	35	18	26	29	30	35	32	31	32	30	26	21	25	35	39	34	23	35	37	40	34	28	24	26	28	29	28	32	31.2
	Minimum...	28	31	32	11	9	6	11	12	21	22	17	20	25	5	18	20	24	31	15	15	6	17	34	21	21	15	21	22	21	21	22	19.2
Bedford	Maximum...	17	11	40	38	21	30	30	34	38	35	31	39	35	31	27	30	38	40	36	24	37	46	48	35	32	28	30	36	34	34	35.8	
	Minimum...	31	33	34	21	13	17	10	11	20	22	26	22	26	3	13	22	24	28	30	18	16	5	20	35	28	25	21	24	25	24	30	22.7
Bethlehem	Maximum...	19	47	32	40	37	33	36	37	35	31	37	36	36	33	25	1	33	37	3	30	32	42	45	37	34	33	31	30	35	30	39.1	
	Minimum...	33	2	27	32	16	24	20	17	25	30	21	25	33	11	17	16	21	32	23	19	16	23	35	21	20	25	16	19	23	16	22.6	
Bloomsburg	Maximum...																																
	Minimum...																																
Brookville	Maximum...	44	37	34	30	21	28	33	32	34	27	35	31	30	26	27	3	15	10	23	25	35	16	33	30	29	29	30	30	30	31	31.9	
	Minimum...	30	29	32	19	11	12	4	5	17	23	20	9	26	-5	-6	22	26	32	17	11	2	-4	15	2	22	13	21	22	22	20	24	16.5
Butler	Maximum...	42	47	42	34	26	26	30	32	33	32	36	36	34	29	23	32	33	53	50	24	38	17	45	29	34	27	34	33	30	34	35.8	
	Minimum...	20	38	23	22	8	15	8	17	27	23	25	22	20	2	22	27	40	3	16	16	-1	19	29	27	23	27	22	23	23	24	21.1	
Carlisle	Maximum...	48	38	38	45	28	10	36	38	35	42	44	4	10	36	28	31	38	40	38	35	39	40	41	38	38	30	29	26	36	33	41	37.5
	Minimum...	29	34	32	26	16	22	15	12	21	30	28	27	30	1	16	18	30	38	24	21	11	17	33	25	25	22	25	22	21	15	30	23.2
Chambersburg	Maximum...	49	40	41	40	26	39	37	38	38	37	40	17	37	32	29	31	30	11	39	32	36	43	45	3	38	30	28	36	37	35	38	37.2
	Minimum...	33	33	33	20	16	21	17	15	28	33	25	27	31	16	21	20	31	34	21	21	12	19	33	2	25	22	22	25	18	20	2	21.1
Claysville	Maximum...	47	58	50	38	18	32	32	40	37	37	33	37	36	30	41	41	53	50	34	26	42	19	17	36	35	33	55	32	51	50	37.9	
	Minimum...	30	37	31	12	7	14	11	15	25	14	25	13	26	10	24	31	34	31	16	14	6	30	28	25	21	21	29	21	22	23	28	21.7
Clearfield	Maximum...	46	36	35	33	19	31	35	32	34	33	37	30	31	27	24	31	43	40	30	25	40	13	41	32	30	28	30	31	32	39	35	33.1
	Minimum...	27	31	30	10	15	15	5	10	19	21	18	13	22	-2	15	20	27	27	16	15	0	14	29	19	22	16	23	22	21	19	22	17.9
Coatesville	Maximum...	41	37	36	41	27	35	32	36	38	35	35	38	42	30	30	32	35	38	38	29	41	46	48	35	32	32	29	30	36	32	39	35.7
	Minimum...	29	27	29	20	14	24	18	14	21	25	20	23	28	10	17	20	30	31	21	20	15	18	32	24	24	21	22	18	16	9	22	21.2
Corry	Maximum...	44	39	32	26	22	24	26	33	32	25	36	29	28	26	25	32	35	42	37	18	25	37	42	28	25	29	31	32	29	29	25	30.5
	Minimum...	27	27	30	21	10	11	12	8	12	20	21	20	24	-1	-2	18	27	34	14	14	0	1	25	20	19	19	21	19	20	16	22	16.9
Condersport	Maximum...	45	36	35	31	21	30	33	35	33	34	36	30	30	23	25	33	38	40	30	26	35	45	40	26	28	29	31	28	29	27	28	31.9
	Minimum...	25	25	28	10	7	16	9	2	11	20	12	6	12	10	5	17	28	30	13	10	6	12	26	15	18	15	20	20	10	10	15	11.3
Donora	Maximum...	48	54	44	32	26	30	34	41	36	33	36	37	36	28	46	46	58	46	31	21	42	53	48	41	41	36	39	31	33	32	38.7	
	Minimum...	32	44	32	13	12	16	17	24	31	20	25	22	26	14	28	38	10	20	20	16	15	28	30	30	25	25	30	25	27	32	25.5	
Ebensburg	Maximum...	43	39	39	35	14	23	32	33	32	31	32	29	29	29	26	29	51	44	35	21	39	52	43	29	32	23	20	28	27	27	32	32.1
	Minimum...	25	30	29	10	5	10	3	9	19	18	16	18	21	1	8	19	24	30	12	11	-4	20	25	20	19	14	11	19	18	19	22	16.3
Emporium	Maximum...	43	37	35	34	30	29	31	32	34	34	35	33	33	28	24	33	38	30	30	30	30	47	41	37	33	30	30	31	32	29	31	33.3
	Minimum...	30	29	30	20	13	20	15	10	22	26	22	13	23	-4	12	33	36	36	36	35	33	35	45	48	37	38	32	30	37	38	34	30.4
Ephrata	Maximum...	50	37	37	42	29	40	38	40	37	38	39	37	38	32	25	33	36	36	35	33	35	45	48	37	38	32	30	37	38	34	40	37.4
	Minimum...	29	30	32	28	18	27	19	15	25	30	20	23	31	11	18	20	32	34	23	22	16	22	37	26	25	21	21	20	12	26	23.6	
Erie	Maximum...	38	44	38	30	27	27	36	36	30	34	33	33	19	29	38	47	46	25	24	39	46	34	27	27	33	32	28	29	31	31	32.9	
	Minimum...	32	37	30	15	20	23	22	30	26	27	27	15	12	19	29	36	25	19	20	15	34	24	22	22	24	23	21	25	24	21	21.0	
Franklin	Maximum...	47	47	36	29	26	27	32	35	34	28	35	32	30	29	32	35	44	41	22	24	37	44	31	29	28	30	33	29	29	32	31	32.7
	Minimum...	32	32	33	23	13	13	14	14	21	25	24	22	28	4	3	24	30	35	17	18	1	2	24	25	23	16	20	23	23	22	26	20.4
Freeland	Maximum...	40	27	34	34	22	26	28	30	32	30	31	27	20	20	19	29	30	34	35	24	26	38	40	28	25	29	25	26	28	24	26	28.6
	Minimum...	26	16	20	21	8	15	13	12	19	21	12	14	18	0	11	8	28	29	13	2	6	20	27	5	19	18	15	13	3	20	14.9	
George School	Maximum...	49	42	37	42	38	37	36	38	39	37	37	40	41	31	25	32	36	40	39	33	35	45	49	41	37	34	32	3	37	31	38	37.4
	Minimum...	29	30	32	32	17	24	19	15	19	25	21	23	31	12	15	21	31	33	25	20	12	22	10	25	26	22	24	20	15	7	22	22.8
Gettysburg	Maximum...	47	44	40	44	35	39	37	38	39	40	38	45	43	38	30	33	36	42	44	32	38	42	48	44	33	35	32	35	37	42	35.9	
	Minimum...	31	32	33	28	17	21	15	16	22	28	22	25	29	13	21	20	30	32	23	21	14	19	34	27	27	23	25	22	15	13	30	24.6
Gordon	Maximum...	44	40	38	40	27	32	30	34	34	32	34	34	34	27	21	31	34	40	37	30	32	40	38	31	32	28	30	34	27	35	38.5	
	Minimum...	29	27	28	25	13	19	9	8	19	27	6	17	27	6	7	16	30	32	21	19	8	15	32	19	21	11	21	19	17	5	25	18.6
Greensburg	Maximum...	46	50	50	36	18	26	33	37	37	32	34	34	34	29	42	40	56	56	43	23	41	52	46	40	37	32	34	34	29	30	34	37.6
	Minimum...	30	39	36	17	11	17	12	13	28	20	25	24	28	9	24	31	35	37	17	11	8	27	30	28	24	22	27	23	23	24	30	23.5
Grove City	Maximum...	41	41	47	34	19	26	31	34	35	31	34	34	35	25	29	35	48	51	30	22	36	42	38	30	30	22	31	31	29	30	33.5	
	Minimum...	30	37	31	19	9	16	15	20	18	20	24	20	20	6	20	28	33	29	14	16	8	26	28	24	22	17	24	22	21	26	21.0	
Harrisburg	Maximum...	46	38	38	42	27	36	34	37	37	38	37	41	38	31	25	33	37	40	37	31	38	40	44	44	35							

Daily Temperatures for January, 1941—(continued)

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Port Clinton.....	Maximum...	45	44	35	40	31	32	33	32	32	35	35	35	32	28	33	34	36	37	30	31	36	43	41	33	32	32	32	35	33	35	34.7		
	Minimum...	31	28	29	30	17	22	16	12	21	28	14	22	31	9	13	18	32	32	24	21	15	17	23	19	22	16	24	20	19	21	21.4		
Quakertown.....	Maximum...	44	39	34	38	34	32	30	31	36	34	34	36	34	30	24	32	34	38	36	30	30	41	45	36	34	33	30	30	35	30	37.4		
	Minimum...	28	28	29	30	16	22	17	12	16	25	16	22	19	9	12	18	31	32	23	8	13	17	35	22	21	19	22	17	4	1	19	19.5	
Reading*.....	Maximum...	50	37	38	41	27	37	36	37	37	38	40	36	38	27	26	35	37	38	38	33	34	43	45	31	35	33	28	34	37	31	38	36.0	
	Minimum...	32	30	32	18	18	24	21	19	27	29	21	26	21	13	22	22	32	35	23	22	18	29	31	25	25	22	24	22	21	14	24	23.9	
Retreat.....	Maximum...	36	36	36	36	26	27	27	30	33	33	26	35	34	16	23	31	34	36	36	21	27	30	36	35	27	27	27	31	.....	.....	30.4		
	Minimum...	29	26	28	20	17	20	14	12	26	24	14	15	16	4	11	18	30	39	20	15	2	14	30	20	0	18	19	19	.....	.....	19.6		
Ridgway†.....	Maximum...	41	36	33	31	22	30	32	34	33	26	38	30	29	26	27	34	40	40	40	20	24	35	49	33	20	30	29	30	29	32	30	31.6	
	Minimum...	28	28	31	17	11	12	13	10	13	24	22	16	24	8	8	19	25	33	17	15	-2	-4	15	25	20	14	19	22	21	17	22	16.3	
Scranton*.....	Maximum...	39	34	38	39	28	26	27	31	36	31	33	34	34	18	25	33	38	42	35	21	29	45	40	28	28	31	25	29	31	27	30	31.8	
	Minimum...	28	28	32	16	15	22	18	17	19	24	20	20	13	6	10	17	33	34	16	12	10	21	25	20	25	21	20	19	7	6	15	19.0	
Selinsgrove.....	Maximum...	45	43	37	40	27	37	31	32	33	36	37	35	37	30	21	33	36	37	40	32	31	40	41	35	34	34	30	34	36	32	37	35.0	
	Minimum...	26	29	31	26	11	16	15	13	18	29	17	21	29	8	14	16	31	32	21	21	9	31	34	22	22	8	24	20	19	11	22	20.8	
Somerset.....	Maximum...	45	40	44	34	11	24	37	35	29	29	29	36	30	35	32	28	51	46	32	18	0	50	43	30	30	24	30	30	23	25	25	32.5	
	Minimum...	25	32	30	11	5	10	1	6	16	19	14	19	22	5	22	21	26	29	10	9	-8	14	29	25	26	18	30	18	18	22	16.9		
Springs.....	Maximum...	44	45	45	31	12	24	33	34	35	26	28	30	30	32	27	36	50	40	32	18	0	49	43	34	34	33	29	29	21	28	29	32.2	
	Minimum...	25	31	31	8	7	10	4	12	19	15	15	21	23	13	22	22	26	20	10	6	-2	21	28	26	22	20	20	19	18	18	23	18.2	
State College.....	Maximum...	42	34	37	35	19	29	29	30	35	31	31	31	32	27	29	31	37	39	31	24	32	40	44	30	29	27	28	31	31	29	33	31.7	
	Minimum...	27	32	35	12	12	15	13	15	26	22	21	22	16	7	18	20	31	31	17	17	10	18	30	21	24	16	24	23	22	21	20	20.6	
Stroudsburg†.....	Maximum...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	Minimum...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Towanda.....	Maximum...	43	34	38	44	29	31	29	31	34	34	34	34	34	21	24	31	39	45	38	25	29	44	41	28	33	30	27	31	32	20	32	32.9	
	Minimum...	27	24	30	18	13	20	11	9	13	23	13	14	15	5	5	17	29	31	17	14	0	18	27	19	17	17	20	19	13	1	13	16.2	
Uniontown.....	Maximum...	52	54	54	37	28	28	33	40	37	33	34	37	35	31	47	40	57	51	35	25	44	51	47	45	41	35	36	34	30	30	36	39.1	
	Minimum...	34	43	36	17	12	16	15	18	27	23	26	27	30	16	27	33	37	35	19	16	8	27	32	30	26	27	30	25	26	30	25	25.5	
Vandergrift*.....	Maximum...	59	51	45	34	21	30	34	33	38	32	38	36	34	29	38	39	55	46	31	27	41	51	36	38	31	34	35	32	34	38	36	39.9	
	Minimum...	30	31	32	14	11	20	12	18	29	26	22	23	22	8	28	31	36	26	19	10	5	24	29	29	25	22	29	25	25	28	23	23.0	
Warren.....	Maximum...	48	37	38	32	22	26	26	37	33	31	35	31	32	24	31	34	45	44	27	24	38	45	42	26	29	31	31	28	29	20	30	32.7	
	Minimum...	28	32	31	12	12	29	14	14	28	23	20	15	12	-5	10	24	33	25	17	17	0	23	24	22	21	22	25	21	17	17	14	19.0	
Waynesburg.....	Maximum...	50	55	53	50	19	30	36	42	39	32	34	40	37	32	44	46	57	51	34	28	45	52	47	43	38	35	34	31	30	38	39.9		
	Minimum...	33	38	34	14	9	16	13	19	30	20	26	19	28	16	27	34	35	34	17	11	6	26	30	27	24	23	31	23	24	25	29	24.0	
Wellsboro.....	Maximum...	39	33	35	33	23	25	25	35	37	32	32	33	19	22	28	35	40	34	23	32	42	34	29	29	24	28	30	23	28	30	30.2		
	Minimum...	28	26	31	15	12	18	15	12	19	25	19	14	14	2	10	20	28	34	19	14	10	20	29	18	21	17	19	20	10	-4	17	17.8	
West Chester.....	Maximum...	47	37	35	42	28	37	35	37	37	36	36	37	39	31	24	33	35	39	38	33	35	45	50	38	32	33	29	31	36	35	37	36.0	
	Minimum...	30	30	32	28	19	22	20	16	24	28	21	24	30	11	18	22	32	34	23	21	15	23	38	26	26	24	25	18	15	10	2	23.4	
Wilkes-Barre†.....	Maximum...	42	37	38	39	29	30	28	33	35	33	34	36	36	20	24	34	37	38	36	27	31	43	40	26	30	33	24	31	32	28	31	32.8	
	Minimum...	25	28	32	16	16	20	16	14	20	19	18	16	13	8	13	17	33	33	17	6	2	15	24	19	25	21	20	14	2	1	7	17.2	
Williamsport.....	Maximum...	45	40	35	35	26	32	30	33	30	33	35	33	35	28	23	31	35	38	37	29	30	36	40	35	32	32	30	33	35	22	33	32.9	
	Minimum...	30	29	30	20	15	21	14	13	22	28	15	20	28	6	15	19	31	32	19	18	5	15	32	20	21	16	23	22	15	10	19	20.1	
Williamstown.....	Maximum...	48	40	35	40	35	32	35	32	32	32	32	30	40	32	30	24	28	33	39	42	35	32	39	43	37	29	33	27	30	31	31	33	34.2
	Minimum...	26	24	25	27	11	16	13	14	24	24	18	22	28	4	15	14	25	29	18	16	11	21	32	17	17	17	18	16	20	14	21	19.4	
York.....	Maximum...	48	40	39	44	32	38	37	41	40	38	38	41	39	35	29	32	36	41	38	32	38	47	45	40	34	33	30	35	36	38	39	37.8	
	Minimum...	28	31	34	29	18	22	18	13	22	31	18	19	20	13	18	21	32	33	24	22	11	21	35	27	26	21	26	21	8	11	29	22.6	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date ‡ 1:30 a. m. to 1:30 a. m. a, b, c, etc., indicate respectively 1, 2 or 3 days missing from record

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

RIVER CONDITIONS

Stations	Atmospheric pressure (reduced to sea level)					Wind			Relative humidity				
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	30.16	30.65	7	29.55	17	8.8	24	sw.	4	87	84	88	6
Harrisburg.....	30.16	30.63	7	29.61	4	8.3	42	w.	30	77	64	71	44
Philadelphia.....	30.15	30.61	7	29.63	4	13.4	31	nw.	13	81	65	76	45
Pittsburgh.....	30.16	30.58	7	29.59	17	11.5	36	w.	4	85	72	78	15
Reading.....	30.17	30.62	7	29.61	4	11.2	51	nw.	14	69	50	64	40
Scranton.....	30.15	30.61	7	29.56	4	6.9	37	sw.	9	78	74	72	27

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER
HARRISBURG, PA.

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FEBRUARY, 1941.

No. 2.

GENERAL SUMMARY.

Temperatures were below normal after the first half of the month. The average was 26.5°, about 2° below normal. This was the lowest mean of the winter and the lowest February average since 1936. Averages for all stations were below normal. The lowest temperatures were recorded, generally, on the 10th and 11th, and the highest on the 12th, but no records were broken. Brookville, Jefferson County, reported daily ranges of over 50° on three consecutive days, the 10th, 11th, and 12th. Averages of temperatures in the various sections were:— Erie, 26°; Plateau, 23°; Southwest, 28°; Mountains, 25°; and the Southeast, 30°.

Precipitation was exceptionally light and averaged only 1.04 inches, less than half the normal amount. The only February average lower than this was 0.96 inch, which was recorded in 1901. Rains were general over the eastern half of the State on February 7th and 8th. As a result of this storm, Neshaminy Falls, Bucks County, recorded 3.76 inches of rain in 24 hours and was the one station which reported an excess for the month. Precipitation occurred frequently but was mostly in very light amounts. Sectional averages, which varied widely, were:— Southwest, 0.62 inch; Plateau, 0.77 inch; Mountains, 0.98 inch; Erie, 1.28 inches; and the Southeast, 1.59 inches. Snowfall was below normal. The greatest monthly totals were reported in Cambria and Somerset counties. Snow-cover was generally ample excepting in southeastern counties, where, due to the deficiency, winter grains and spinach were damaged. Sleet, reported at widely scattered localities, was in minor quantities. High winds were reported, generally, on the 17th and 28th.

The greatest snowfall of the month occurred on February 28th, with amounts ranging from 5 to over 10 inches. Accompanied by high winds, this storm struck hardest in the Southeast section. Planes were grounded, roads blocked, and traffic disrupted. Many accidents resulted and at least seven fatalities were reported; four in the Philadelphia area and three in Pittsburgh.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 86 stations, was 26.5°, which is 1.9° below the 54-year normal for February. The highest monthly mean was 33.4° at Point Breeze, Philadelphia County, and the lowest was 19.0° at Montrose, Susquehanna County. Extremes of temperature ranged from a maximum of 62° at Waynesburg, Greene County, on the 13th, to a minimum of -14° at Kane, McKean County, on the 10th. The greatest daily range in temperature was 62° at Brookville, Jefferson County, on the 12th.

PRECIPITATION.

The average precipitation from rain, sleet and melted snow, for the State, as deduced from the observations at 165 stations, was 1.04 inches, which is 1.81 inches below the 54-year average for February. The greatest monthly amount was 5.81 inches at Neshaminy Falls, Bucks County, and the least was 0.10 inch at McConnellsburg, Fulton County. The greatest amount for any 24 consecutive hours was 3.76 inches at Neshaminy Falls, Bucks County, on the 7th.

The average snowfall for the State was 7.6 inches, which is 3.2 inches below the 54-year normal. The greatest total snowfall for the month was 24.6 inches at Lycippus, Westmoreland County. The greatest fall for any 24 consecutive hours was 10.9 inches at Conshohocken, Montgomery County, on the 28th.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation			No of days.		
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	28.4	63	-31	2.50	7.2	9	7	11	12
1889.....	25.0	60	-27	1.96	8.7	9	7	9	12
1890.....	37.0	79	0	4.32	5.6	11	6	8	14
1891.....	34.8	70	-7	4.61	5.6	12	6	8	14
1892.....	31.6	62	-18	1.75	6.3	9	7	7	15
1893.....	27.3	60	-16	5.92	26.4	14	6	8	14
1894.....	27.6	64	-24	3.53	22.7	11	8	9	11
1895.....	20.2	60	-26	1.22	13.2	6	10	10	8
1896.....	29.4	65	-21	4.90	10.5	11	9	7	13
1897.....	30.6	67	-14	3.28	10.3	9	7	8	13
1898.....	29.4	72	-16	2.23	6.1	9	8	8	12
1899.....	22.7	67	-39	4.05	23.6	12	8	7	13
1900.....	27.1	81	-17	4.22	7.0	11	8	6	14
1901.....	21.7	57	-22	0.96	7.9	8	10	9	9
1902.....	23.9	64	-24	3.99	14.3	10	9	7	12
1903.....	30.5	68	-17	4.49	10.8	10	10	7	11
1904.....	21.8	68	-27	2.41	6.8	11	10	7	12
1905.....	20.8	59	-25	1.70	9.7	8	10	8	10
1906.....	28.0	79	-21	1.70	6.8	7	12	7	9
1907.....	22.8	56	-20	1.91	15.2	8	12	7	9
1908.....	21.8	64	-29	4.65	23.6	11	10	7	12
1909.....	35.8	73	-9	4.84	4.0	14	6	7	15
1910.....	26.6	65	-22	3.59	15.0	11	9	7	12
1911.....	31.0	66	-8	2.27	11.1	10	7	6	15
1912.....	23.7	69	-27	2.20	6.5	8	11	8	10
1913.....	27.4	67	-9	1.84	5.7	9	12	5	11
1914.....	21.8	65	-27	2.78	23.5	10	11	6	11
1915.....	33.2	73	-9	3.90	2.0	9	9	5	14
1916.....	25.7	67	-22	3.08	14.3	12	8	7	14
1917.....	25.6	68	-29	1.46	8.0	10	9	9	10
1918.....	28.2	69	-34	2.46	2.9	9	10	8	10
1919.....	32.0	66	-7	2.23	4.7	11	12	6	10
1920.....	25.6	62	-20	2.44	18.3	11	9	8	12
1921.....	32.8	76	-15	2.59	15.4	10	8	8	12
1922.....	33.0	74	-19	1.99	7.7	10	9	9	10
1923.....	24.6	58	-20	2.16	11.7	12	8	8	12
1924.....	26.9	70	-25	2.94	16.3	10	11	7	11
1925.....	35.6	71	-11	2.16	2.1	8	11	7	10
1926.....	28.7	65	-13	4.06	23.3	12	7	6	15
1927.....	35.0	69	-8	3.48	16.5	13	7	8	13
1928.....	30.3	65	-11	3.42	6.7	11	10	7	12
1929.....	28.0	69	-20	2.87	11.7	9	10	8	10
1930.....	35.1	80	-18	2.69	3.9	11	9	6	13
1931.....	31.9	66	-16	1.98	5.2	9	11	5	12
1932.....	35.3	83	-8	1.64	2.9	10	10	8	11
1933.....	31.3	68	-15	2.30	9.4	10	12	7	9
1934.....	18.1	59	-34	1.31	14.4	7	13	7	8
1935.....	28.9	66	-26	2.67	14.4	12	8	7	13
1936.....	21.5	69	-27	2.33	12.3	9	11	7	11
1937.....	31.4	77	-12	2.32	6.5	10	9	8	11
1938.....	34.1	74	-4	2.85	3.9	12	8	6	14
1939.....	33.7	74	-10	4.45	6.2	13	10	6	12
1940.....	29.4	63	-19	3.16	19.3	13	9	5	15
1941.....	26.5	62	-14	1.04	7.6	8	10	7	11
Period	28.4	83	-39	2.85	10.8	10	9	7	12

Climatological Data for February, 1941																					
Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy			Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	260	29	28.2	-1.2	44	7†	13	10	28	1.58	-1.78	0.95	1.7	3	15	11	2	n.	John A. Frick.
	Altoona.....	Blair.....	1,615	54	24.1	-3.4	49	12	-4	10	37	1.04	-1.29	0.42	12.9	7	17	4	7	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	330	21	29.8	-2.4	50	12	9	10	29	2.70	-0.80	1.00	13.4	5	14	4	10		H. L. Balderston.
	Arendtsville.....	Adams.....	710	19	28.9	-2.7	49	12	10	11	33	0.69	-2.15	0.23	1.5	6	18	2	8	nw.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,100	9	27.0		52	12	2	5	39	0.50		0.20	4.0	4	11	2	15	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	450	55	30.0	-1.3	49	12	14	10	28	1.89	-1.22	0.83	6.6	7	20	1	7	nw.	Lehigh University.
	Bloomsburg.....	Columbia.....	560	15																	Bloomsburg Water Co.
	Carlisle.....	Cumberland.....	473	72	29.2	-1.0	45	6†	8	11	35	0.80	-2.45	0.40	3.0	6	18	1	9	sw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	600	44	29.8	-2.0	50	12	12	5	31	0.30	-2.36	0.10	1.4	7	9	9	10	nw.	William B. Spear.
	Clearfield.....	Clearfield.....	1,260	40	24.7	-3.6	55	12	11	10	46	0.30	-2.49	0.22		6	10	4	14	w.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	431	54	28.4	-2.1	48	6†	11	10	35	1.62	-2.15	0.76	7.2	5	7	8	13	nw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	630	29	27.7	-2.1	45	12	7	10	28	1.20	-2.21	0.43	5.7	4	16	1	11	w.	Win. A. Rorer.
	Emporium.....	Cameron.....	1,050	56	24.6	-1.3	53	12	-8	5	45	0.23	-2.59	0.10	3.5	3	10	0	18	w.	E. M. Poonman.
	Ephrata.....	Lancaster.....	365	44	30.3	0.0	52	12	13	10	31	1.50	-1.45	0.61	7.6	6	12	7	9	n.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,900	48	22.8	-1.9	42	11†	5	10	27	0.91	-2.60	0.50	2.7	9	7	2	19	w.	Andrew B. Evanshla.
	George School.....	Bucks.....	160	35	29.6	-1.8	47	12†	9	11	36	1.95	-2.01	0.67	10.5	7	6	16	6	nw.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	68	31.0	-0.4	50	12	11	10†	34	0.56	-2.20	0.30	1.0	4	19	2	7	nw.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	900	37	25.6	-1.7	44	12	1	5	40	1.40	-1.87	0.36	7.2	7	11	7	10	w.	Miss Sallie M. Johnson.
	Gouldsboro, I.....	Wayne.....	1,890	26																	Steward W. Eilenberger.
	Hanover.....	York.....	600	37	31.2	-2.0	52	12	13	10	28	1.24	-1.57	0.66	4.2	6	16	2	10	w.	Thomas Y. Cooper.
	Harrisburg.....	Dauphin.....	337	72	29.4	-0.8	48	25	14	10	30	0.83	-2.13	0.34	2.2	5	8	9	11	nw.	U. S. Weather Bureau.
	Hawley.....	Wayne.....	900	23	23.8	-2.0	46	12	-7	6	47	1.69	-1.13	1.14	3.0	4	18	4	6	w.	Mrs. Della M. Pennell.
Holtwood.....	Lancaster.....	200	26	30.7	-2.0	48	12	16	10	26	0.91	-1.81	0.40	3.0	6	14	3	11	nw.	H. W. Lowy, C. E.	
Huntingdon.....	Huntingdon.....	700	54	27.0	-2.5	51	12	-1	10	45	0.25	-2.44	0.23	2.8	2	7	7	14	w.	Prof. Paul R. Yoder.	
Kiortown.....	Clearfield.....	1,700	12	22.0	-4.7	50	12	-3	10	36	0.50	.....	0.18	5.8	13	5	5	18	w.	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	280	54	29.6	-1.4	50	12	11	10	32	1.39	-1.28	0.51	5.5	5	17	4	7	nw.	Supt. of Water Works	
Lawrenceville.....	Tioga.....	996	44	22.8	-2.0	54	12	-12	10	51	0.35	-1.48	0.20	4.0	3	7	9	12	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	469	57	27.6	-2.1	49	12	11	10	30	1.07	-2.06	0.36	3.3	6	18	3	7	sw.	Lebanon Valley Gas	
Lewistown.....	Midlin.....	480	3	28.4	.....	47	12	5	10†	38	0.32	.....	0.13	2.5	5	7	5	16	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	554	51	26.8	-1.6	46	25	1	10	39	0.36	-2.18	0.23	5.0	3	9	12	7	nw.	Joseph Beaver.	
Marcus Hook.....	Delaware.....	50	15	33.1	-2.1	50	11†	16	9	24	2.31	-0.45	0.61	6.1	6	21	1	6	sw.	San Oil Co.	
Montrose.....	Susquehanna.....	1,656	36	19.0†	-3.9	42	13	-4†	11	28	1.32	-0.76	0.64	12.9	5	9	5	14	nw.	Philip F. Chamberlain.	
Mt. Pocono.....	Monroe.....	1,740	35	20.3	-1.5	43	12	-2	10	37	2.00	-0.98	0.60	10.0	7	4	9	15	nw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	864	29	23.8	-2.1	44	12	-3	5	40	0.28	-2.12	0.11	2.0	4	11	7	10	n.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	80	52	29.6	-0.3	50	12	0	10†	37	5.81	+2.85	3.76	9.5	7	15	2	11	w.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	3	26.1	.....	46	12	0	11	44	0.74	.....	0.39	2.5	4	12	10	6	w.	J. Earl Snedder.	
Palmerton.....	Carbon.....	420	23	28.3	-0.7	48	12	6	11	35	1.90	-0.49	0.82	3.4	5	11	7	10	nw.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	70	31.8	-2.1	50	12	16	28	19	2.08	-1.24	0.95	8.9	6	14	4	10	nw.	U. S. Weather Bureau.	
Phila. Navy Yard.....	Philadelphia.....	20	25	31.6	-2.1	50	12	16	10	24	2.27	-1.09	0.97	11.4	7	18	4	6	nw.	Navy Aerological Office.	
Phoenixville.....	Chester.....	100	31	30.6	-1.7	49	13	12	6†	32	1.97	-1.43	0.71	6.0	7	12	11	5	nw.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	430	3	27.8	-1.7	43	26	5	11	32	1.81	-1.51	0.43	6.0	8	17	12	9	n.	E. E. Karick.	
Quakertown.....	Bucks.....	480	56	27.2	-1.6	44	12	7	6	34	1.58	-1.73	0.67	6.1	6	15	7	6	nw.	John E. Kerner.	
Reading.....	Berks.....	773	71	29.8	-0.8	50	12	14	10	28	1.94	-1.48	0.87	9.2	5	10	8	10	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	47	25.6	-1.7	49	12	6	10	31	1.12	-1.92	0.56	4.1	8	7	7	14	nw.	U. S. Weather Bureau.	
Shelmsgrove.....	Snyder.....	420	51	27.0	-1.5	44	12†	0	5	40	0.61	-2.16	0.26	2.0	6	7	9	12	w.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	45	30.4	-3.0	48	13	13	10	29	1.90	-1.28	0.82	9.5	7	6	8	14	nw.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	8	27.8	.....	45	12†	10	10†	35	0.21	.....	0.09	0.5	4	13	8	7	w.	State Teachers College	
State College.....	Centre.....	1,217	57	24.2	-2.7	48	12	4	10	38	0.32	-2.15	0.11	2.4	7	5	11	12	w.	Dr. H. Landsberg.	
Towanda.....	Bradford.....	754	47	24.4	-0.7	47	12	-5	10	46	0.47	-1.52	0.29	3.0	9	9	10	9	nw.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,319	71	22.8	-2.2	46	12	-6	10	39	0.21	-1.81	0.15	1.3	3	20	3	5	n.	George W. Hill.	
West Chester.....	Chester.....	440	92	29.6	-1.7	50	12	13	10	29	2.25	-1.25	0.84	9.0	6	16	5	7	nw.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	3	25.5	.....	49	12	5	5†	34	1.77	-0.81	0.71	3.0	8	7	3	18	n.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	542	55	26.0	-1.9	43	25	1	5†	36	0.29	-2.21	0.14	1.3	5	12	6	10	nw.	Mrs. Veronica A. Keller.	
Williamstown.....	Dauphin.....	1,275	26	26.2	-4.1	47	11	7	10	30	0.81	-1.86	0.29	4.0	6	12	4	12	nw.	Susquehanna Collieries Co.	
York.....	York.....	400	53	30.6	-0.7	54	12	12	10	35	1.45	-1.39	0.62	6.0	6	15	6	7	w.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	51	20.2	-4.8	50	12	-13	10†	62	0.78	-1.35	0.23	12.0	13	3	4	21		Frank S. Fawcett.
	Butler.....	Butler.....	1,077	28	26.6	-1.7	55	13	-6	10	40	0.63	-1.77	0.20	8.5	8	1	14	13	nw.	William C. Faust.
	Claysville.....	Washington.....	1,150	36	27.4	-4.2	57	12	5	10	37	0.67	-1.80	0.23	8.7	12	13	3	12	s.	J. L. Melvin.
	Corry.....	Erie.....	1,430	28	21.4	-4.4	51	12	-6	5†	49	2.79	-0.02	0.75		16	5	10	13	w.	Pennsylvania Electric Co.
	Coudersport.....	Potter.....	1,665	14	21.6	-3.0	50	12	-12	10	50	0.59		0.14	5.5	12	9	3	16	sw.	Philip R. Shaw.
	Derry.....	Westmoreland.....	1,172	44	27.2	-2.9	55	12	1	10	41	0.93	-2.09	0.24	11.7	13	8	10	10	w.	N. Dixie Wineman.
	Donora.....	Washington.....	762	15	29.6	-5.0	58	12	11	19	31	0.32		0.10	10.8	8	2	11	15	w.	Am. Steel & Wire Co.
	Ebensburg.....	Cambria.....	2,160	24	22.0	-5.8	52	12	-6	10	44	1.29	-1.42	0.43	19.8	12	8	9	11	w.	D. H. Jones.
	Franklin.....	Venango.....	987	67	23.8	-2.0	53	12	-2	10†	47	0.74	-1.75	0.25	11.0	8	7	9	12	w.	William K. Fuller.
	Gre																				

Daily Precipitation for February, 1941

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh							.95						T.	.53			.10						T.									1.58	
Altoona ²	Juniata			.07				T.	.11					.06	T.	.11	*	.42					.04										1.04	
Ansonia ²	W. Br. Susq.	T.		T.				.10						T.	T.			.03						.01									0.14	
Ardmore ²	Lower Del.			T.				.98						.43	T.			.16					.13							1.00			2.70	
Fredericksville ²	Lower Susq.			T.				.13						.23	.18			.06					.02							.07			0.69	
Baker's Summit	Juniata													.09	.03			.24											.65	.10			0.61	
Bald Eagle I.	Middle Susq.													.03				.37															0.40	
Bedford ²	Juniata							T.						T.	.10	T.		.15	.06			T.		T.	1					.20			0.50	
Bellefonte ²	W. Br. Susq.																																	
Berwindale ¹	W. Br. Susq.							.31	.22									.43	.58										.03	.24			1.57	
Bethlehem	Lehigh							.83	.16					.06	.35			.07	.03			T.	T.							.39			1.89	
Big Knob ²	Susquehanna																																	
Bloomsburg	Susquehanna																																	
Blosserville	Lower Susq.		T.	T.	T.			.13	.03					.41	.02			.15				T.	T.	T.					T.	.08			0.82	
Buffalo Mills ²	Potomac															.08		.10	.09											.15			0.42	
Carlisle	Lower Susq.			T.				.16	T.					.40	.02			.08	.06				T.							.08			0.80	
Carter Camp	W. Br. Susq.							.15										.13															0.28	
Centre Hall	Susquehanna			T.				.09						.27				.15				T.											0.51	
Chambersburg ²	Potomac							T.	.07					T.	.10	.04	.01	.05	T.					.02						.01			0.30	
Clearfield ²	W. Br. Susq.	.01	T.	T.				.01	T.	1					T.	.01	.01	.22	T	T		T.	T.	.01						T			0.30	
Coatesville	Lower Del.							.76						.25				.14						.05						.42			1.62	
Colebrook	Lower Susq.			T.				.43						.10	T.			.12				T	T	T.						.25			1.20	
Conshohocken	Schuylkill			T.		T.		.73	.06					.09	.21			.08				T.		T.	.05						.71			1.93
Covington ²	N. Br. Susq.		T	T.	T.			.20														T.						T.					0.20	
Doylestown	Lower Del.							.72	.12					.03	.25			.12					T.		.02					.48			1.74	
Driftwood ¹	W. Br. Susq.		.01					.07										.12															0.20	
Du Bois	W. Br. Susq.		T.		T.			.03	.09	.01				.02	T.	T.		.10		.02	.01		.01	.04	.03				T.				0.36	
East Waterford ¹¹¹	W. Br. Susq.	.01		T.	T.	T.					T.			.08	.06	T.		.13							.06					.08			0.55	
Emporium.	W. Br. Susq.							.11										.10	.08														0.23	
English Center ¹	W. Br. Susq.							.11										.03															0.14	
Ephrata	Lower Susq.							.61	T.	T.				.21	.10			.11							.01					.46			1.50	
Fredericksburg ²	Schuylkill			T.	T.			.77						T.	.36			.10					T.	T.	T.	.02				.06			1.31	
Freeland ²	Lehigh		.08	.02	.01			.02	T.					.12	.50	T.		.11				.03	T.	T	T	.02	.02						0.91	
Galeton	N. Br. Susq.	T.	.01	T.				.03	.10					.01	T.			.12	T	T.	T.	T.	T.	.01						.01			0.29	
George School	Lower Del.							.67	.14					.07	.22			.12					T.	T.	.14					.59			1.95	
Gettysburg	Potomac		1					.17						.30				.05						T.					.04				0.56	
Girardville ²	Lower Susq.							.36						.34	.12			.12				T.	T	.27					.16				1.40	
Gordon	Lower Susq.		.03																															
Gouldsboro ²	Lehigh							.76	.13					.09	.12			.14					T.	T.						.64			1.94	
Graterford	Schuylkill		T.	T.				.25	T.					.66	.04			.07	T				T.	T.	T.	.01				.21			1.24	
Hanover	Lower Susq.		T.	T.				.25	T.					.32				T.	.05				T.	T.	T.	T				.19			0.83	
Harrisburg ¹¹	Lower Susq.		T.	T.									.02									T.	T.	T.	T								1.69	
Hawley ²	Upper Del.	T	T.	.01				.14	T.					T.	.35	T.	T.	.19			1		T.	T.	T.	.02	.01	.03	.01				1.45	
Hollisterville ²	Upper Del.	T.	T.	.09	T.	T.		.84	T.					.02	.05	T.	T.	.38	T.	T.		.02	.01	.03	.01								1.45	
Holtwood ²	Lower Susq.	T.			T			.40						.13	.12			T.	.08		T				.02				.16				0.91	
Huntingdon	Juniata							T.						T.				.23					T.						T.	.02			0.25	
Huntsdale ¹	Lower Susq.							.12						.10	.24			.02	.02			T.		T.						.02			0.50	
Hyndman ²	Potomac														.06	.02		.08	.08					T.						.09			0.33	
Kyletown ^{2*1}	W. Br. Susq.	T.	.01	.01	.01			.08	.04	T.				T.	T.	.01	T.	.18	.04	.02	T		.03	.05	.01	T	T.	T.	T.	.01			0.50	
Lakewood ²	Upper Del.	T	T.	T	T.			.98						T.	.32			.32				T.	T.										1.62	
Lancaster	Lower Susq.			T.				.51	T.					.31	.18			.09						T.		T.				.30			1.39	
Lansford ²	Lehigh							.39						.01	.39			.17							.08								0.95	
Laurelton ³	Lower Susq.							.11						.10				.09												.03			0.35	
Lawrenceville	N. Br. Susq.			T.	T.	T.		.10	.20							T.	.05					T.	T.	T.									0.35	
Lebanon ²	Lower Susq.							.36						.27	.27			.09					T.	T.	T.				.04	.04			1.07	
Lehighton ²	Lehigh							.65						T.	.29			.14					T.							T.			1.08	
Lewistown	Middle Susq.							.10	T					.06				.13						T	.02					.01			0.32	
Lock Haven	W. Br. Susq.							.10						.03	.03	T.		.01	.07											T.			0.33	
Mapleton Depot ²	Juniata				T.	T.		.07						.03	.03	T.		.01	.07					T.						.02			0.23	
Marcus Hook	Lower Del.			T.			*	.95						T.	.45	T.		.45					T			.01				.45			2.31	
Martinsburg ³	Juniata													.01	.09	.04	T	.20												.08			0.43	
Matamoras ²	Upper Del.							.42						.07	.26			.07															1.82	
Mauch Chunk	Lehigh			T.		T.		.52	.10	T.				.60	.20			.16	T.				T.	T.									1.58	
McConnellsburg ²	Potomac													T.				T.	T.					T.							T.		0.10	
Millersburg ¹	Lower Susq.							.29						.02	.37	.01		.05												.02			0.76	
Millville ¹	N. Br. Susq.	.03												.37				.04															0.44	
Montrose	N. Br. Susq.	T.												T.	.18	T	T.	.26	T.				T.	.14	T.	T.							1.32	
Morris Run	N. Br. Susq.			T.		.10	T.																											
Mount Pocono	Upper Del.		T.					.60	.20	T.			.10	.20	T.	T.	.40	.10						.40									2.00	
Mt. Union ¹	Middle Susq.							.10						.10				.19																

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Daily Precipitation for February, 1941—Continued from page 9

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Renovo ²	W. Br. Susq.			.02					.27								T.	T.	.10					T.									0.89	
Retreat	N. Br. Susq.	.01	.01					1.34	T.						.80				.23			.04	T.						.17				2.60	
Ringtown ¹			.03	.02				.66							.05	.31	T.		.10			.02	.17						.05				1.41	
Scranton ¹	N. Br. Susq.	T.	T.	T.	T.			.56	T.	T.				T.	.26	T.	T.	.04	.02		T.	.01	.02	.01	T.		T.		.20				1.12	
Selinsgrove	Lower Susq.							.11	.04						.26	.01		.09					T.						.10				0.61	
Sellersville	Lower Del.							.77							.23			.12				.04							.38				1.54	
Shade Gap ¹	Middle Susq.							.09							.02			.09											.01				0.25	
Shawmont	Schuylkill							.66	.06						.06	.16		.10				T.		.04					.82				1.90	
Shippensburg	Lower Susq.			T.	T.			.09	T.						.05	T.		.06	.01					T.	T.				T.				0.21	
South Mountain	Potomac																																	
State College ³	W. Br. Susq.	T.	.01	T.	T.			.10	T.	T.				T.	.02	.01		.11		T.	T.	T.	.02						T.	.05			0.32	
Sunbury ²	Lower Susq.	T.	T.	T.	.01			.24							.18	.13	T.	T.	.08		T.	T.	T.		.03								0.67	
Susquehanna ²	N. Br. Susq.			T.				.77								.25	.01		T.	.08	.01		T.	.09	.03								1.24	
Towanda	N. Br. Susq.	T.	.02	T.	.01			.29	.05	T.					.03	T.	.01	.04	T.	T.	T.	.01	T.	.01				T.	T.	T.			0.47	
Veilsboro ²	N. Br. Susq.			T.	T.			.15	T.						T.	T.		T.	.05	T.		T.	.01					T.	T.	T.			0.21	
Wernersville ² [ur]	Schuylkill			T.	T.	T.		.62							.01	.31			.11				.01	T.									1.06	
West Chester	Lower Del.							.84	T.						.30	.31		.13						.02					.65				2.25	
Westgrove ²	Lower Del.							.87								.34			.13				T.	.03					.15				1.52	
Wilkes-Barre ² *	N. Br. Susq.	.02	.03	.03	T.	T.		.50	T.					T.	.71	T.	T.	.07	.04			T.	T.	T.	T.				.37				1.77	
Wilkes-Barre ² [ur]	N. Br. Susq.			T.	T.	T.		.52							1.12	T.		.08				T.	T.						T.				1.72	
Williamsport ²	W. Br. Susq.		T.	T.	T.			.14							.05	.02		T.	.06					.02					T.				0.29	
Williamstown	Lower Susq.			.03				.13	.16						.29			T.				T.	T.	T.	.04				.16				0.81	
York	Lower Susq.							.38							.62	.04		.06					T.	.01					.34				1.45	
York Haven ²	Lower Susq.							.34							.15	.27		.40											.03				1.19	
Zionsville (near) ²	Schuylkill							.91	.62						T.	.52	.58		.19	T.			T.										2.82	
Frenton, N. J. ¹	Lower Del.		T.	T.				1.17	T.						.14	.05		.15				T.	T.	T.					.65				2.16	
Ohio Drainage																																		
Acmetonia ²	Allegheny	T.	T.	T.	T.			.18	.02	T.					T.	.05	.04	.05	.10		T.	.03	.02	.07					.12				0.68	
Beaver Falls ²	Beaver	T.	T.	T.	.01			T.	.10	.03	T.				T.	.03	.02	.05	.08	T.	T.	T.	T.	.05	T.				.20				0.57	
Blairsville ²	Allegheny	T.	.01	.02	T.	T.		.15	.02	.02					T.	.09	.02	.07	.21	.01	.02	.02	.05	.06	.02	T.			.15				0.94	
Bradford	Allegheny		.15	.05			.17	.20	.05						T.	.10	.15	.05				.20	T.	.05		T.								1.17
Brookville ²	Allegheny	T.	.02	.02	T.			.16	.04						T.	.03	.06	.23	.02	.02	.02	.03	.02	.09	T.	T.			.04				0.78	
Buckstown ¹	Allegheny			.01	.02	.01		.05	.01	.01		.02	.03		.05	.03	.07	.21	.05			.01	.03	.04					.07	.05			0.77	
Butler ²	Ohio			.02				.20	T.	T.	T.				.05	.05	T.	.12	.03	T.	T.	T.	.02	.04	T.	T.		T.	.12				0.63	
Clarion ²	Allegheny	.02		.02	T.			.14	.11	.03					.06	T.	.04	.15	.02	T.	T.	.01	.01	.06	.01				T.				0.68	
Claysville	Ohio		.01	.02	.01			.02	.01	T.	T.				.03	T.	.04	.09	T.	T.	T.	T.	.02	.01	T.			.23	.18				0.67	
Conduence ²	Youghiogheny	T.	T.	T.	.04	T.		.03	T.	T.	T.				T.	.02	.02	.08	.21	T.	T.	T.	.02	T.	.06	T.			.22				0.70	
Connellsville ²	Monongahela	.01		T.	.05	T.		.06	T.	T.					T.	.02	.01	.03	.09	T.	T.	T.	.03	.02	.04	T.	T.		.26				0.65	
Coraopolis ²	Ohio			T.	T.			.04	T.	T.					.01	.01	.01	.06	.05			T.	T.	.04	T.	T.		T.	.12				0.24	
Corry	Allegheny	.01		.12	.10			.50	.15	.03					.01	.01	.16	.05	.25	.50	.05	.08	.02	.75					T.				2.79	
Coudersport	Allegheny		.03	.02				.08	.09						.01	T.	.01	.14	.04		.01	.04	.08	.04				T.					0.59	
Derry	Conemaugh	.09						.13	T.	.04					T.	.03	.03	.24	.03	T.	.02	.05	.05	.03				.02	.17				0.93	
Donora ³	Monongahela		T.	T.	T.			T.	.04	T.					T.	.05	.08	T.	T.	T.	T.	.01	.01	.02	T.			.01	.10				0.32	
Dunlop	Allegheny		.02	.04	.02	.05	.04	.11		.02	.03				.03	.04	.02	.24				.02	.04	.02	.03		.02	.09	.12				1.10	
Ebensburg	Conemaugh		.03					.08	.25	.12					T.	.08	.43	.08	T.	.08	.05	.09		.02				.69	.08				1.29	
Franklin ²	Allegheny							.08	.06	T.	T.				T.	.03	.01	.01	.09	T.	T.	T.	T.	T.				.02					0.74	
Greensboro ²	Monongahela	T.		.03	.03	T.		.08	.06	T.	T.				T.	.03	.01	.01	.09	T.	T.	T.	T.	T.			T.	.33					0.50	
Greensburg	Youghiogheny		.06	.01	T.			.11	.02	.02					T.	.04	.18	.01	.62	.02	.01	.07	.10				.02	.23					0.95	
Grove City	Beaver	T.	T.	T.			.01	.02	.08						.06	.06	.04	.09	.01	.03	.01	.02	.03	T.	.15	T.		.01					0.45	
Irwin	Monongahela		.01	T.	T.			.09	T.	T.					T.	.02	.14	.05	T.	T.	.02	.01	T.					.02	.19				0.55	
Johnstown	Conemaugh		.06	.08				.09	.07	T.					.04	.03	T.	.42			T.	T.	.21	.12	.06			.04	.16				1.38	
Kane Airway Sta.	Allegheny	T.	.05	.01	.02		.01	.17	.16	T.					.04	.04	.04	.37	.18	.15	.07	.13	.22	.02	T.		T.	T.					1.63	
Lake Lynn ²	Monongahela	.01			.05	T.		.07	.04	.01					T.	.02	.01	.11	.02	T.	T.	.02	.01	.03	.01			T.	.40				0.81	
Lock No. 4 ²	Monongahela	T.		T.	.01	T.		.06	T.	T.					T.	.01	.05	.02	.07	T.	T.	.03	T.	.03	T.			T.	.26				0.54	
Lock No. 5 ²	Allegheny	T.		.03				.10	.02	T.					T.	.04	.06	.05	.17	T.	T.	.01	.01	.01	.03	T.			.14				0.67	
Lycippus	Conemaugh		.02	.01		T.		.13							.02	.15	.26																	

Daily Temperatures for February, 1941

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Altoona	Maximum...	37	38	31	26	30	39	46	29	26	33	43	49	39	40	10	28	31	28	17	21	26	30	32	40	34	29	23	...	...	...	32.2	
	Minimum...	19	28	20	11	7	13	24	16	15	4	9	22	27	35	27	16	13	8	6	9	10	16	16	21	16	16	13	...	...	...	16.6	
Bedford	Maximum...	38	10	35	30	35	44	41	36	30	36	15	52	50	10	39	40	36	31	18	24	27	31	32	34	12	46	31	28	...	...	36.9	
	Minimum...	25	32	24	11	2	10	26	18	18	3	6	16	37	36	18	20	11	10	19	18	22	18	16	24	16	21	16	...	...	...	18.1	
Bethlehem	Maximum...	33	40	37	31	37	43	43	38	31	36	14	49	46	38	38	34	30	31	26	29	31	35	35	36	41	43	46	39	...	...	37.1	
	Minimum...	18	28	24	22	18	17	36	22	20	14	16	21	30	34	31	23	23	20	16	18	22	30	28	21	21	22	18	15	...	...	22.8	
Bloomsburg	Maximum...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Minimum...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Brookville	Maximum...	33	34	29	27	32	41	33	25	32	38	43	50	45	10	31	41	34	20	18	22	25	28	31	34	30	35	33	25	...	...	32.6	
	Minimum...	6	6	20	13	-8	-8	2	14	15	-13	-13	-12	11	22	27	10	15	10	9	9	12	18	19	5	13	1	3	15	...	...	8.0	
Butler	Maximum...	40	40	34	29	32	45	45	30	33	33	44	51	55	46	41	45	33	32	17	22	27	26	30	31	39	39	32	29	...	...	35.6	
	Minimum...	23	25	25	8	0	28	29	19	15	-6	4	18	28	37	27	22	19	10	8	12	17	21	18	19	20	9	23	16	...	...	17.6	
Carlisle	Maximum...	11	40	38	36	38	45	38	38	38	36	39	35	39	39	43	37	37	35	29	31	35	36	42	40	41	44	34	32	...	...	38.2	
	Minimum...	18	26	21	17	13	10	30	21	20	9	8	14	25	33	33	25	25	17	11	16	21	25	25	19	20	21	22	19	...	...	20.2	
Chambersburg	Maximum...	39	39	36	36	36	44	37	35	36	37	44	50	42	38	38	35	40	32	28	31	34	36	39	41	49	40	33	29	...	...	37.6	
	Minimum...	23	32	28	19	12	15	31	22	21	13	13	20	25	33	30	27	23	17	15	15	21	26	23	19	27	29	24	20	...	...	21.9	
Claysville	Maximum...	42	41	32	33	39	49	47	26	27	42	49	57	56	50	37	35	33	28	17	20	25	27	32	37	43	37	30	27	...	...	36.4	
	Minimum...	28	29	22	13	10	27	21	18	15	5	15	22	32	35	27	21	25	6	9	15	15	15	13	23	13	23	11	...	...	...	18.5	
Cearfield	Maximum...	38	37	33	27	32	41	41	30	35	37	46	55	45	40	39	32	34	28	18	22	27	28	34	36	40	36	33	29	...	...	34.9	
	Minimum...	19	30	20	14	-4	10	27	16	14	-7	0	14	24	34	24	16	17	9	7	9	16	18	18	16	18	6	14	14	...	...	11.5	
Coatesville	Maximum...	35	41	36	32	34	48	41	35	35	33	10	48	48	39	40	34	36	32	26	28	33	34	36	35	44	37	37	32	...	...	36.8	
	Minimum...	17	21	21	18	17	13	32	20	19	11	11	20	24	34	29	24	21	17	14	15	18	25	23	18	18	19	19	13	...	...	19.9	
Corry	Maximum...	35	34	27	28	37	35	35	24	27	40	44	51	47	40	29	22	29	16	17	20	21	26	28	37	32	30	28	20	...	...	30.8	
	Minimum...	8	20	11	11	-6	-5	28	16	12	-6	-5	11	28	35	23	13	17	11	8	10	18	12	9	14	12	9	11	...	...	...	11.9	
Coudersport	Maximum...	33	35	29	31	32	39	40	32	31	38	44	50	40	39	39	26	30	23	17	21	27	29	30	35	37	32	33	22	...	...	32.6	
	Minimum...	10	25	16	7	-10	2	28	15	12	-12	-5	8	17	30	23	10	13	10	7	7	13	20	17	1	8	10	7	10	...	...	10.7	
Donora	Maximum...	44	41	32	30	40	55	47	26	32	43	51	58	56	50	35	35	35	27	20	23	25	28	31	34	44	33	31	27	...	...	37.9	
	Minimum...	30	30	28	16	17	32	22	22	19	12	22	30	36	35	24	21	27	12	11	14	16	19	22	22	21	16	27	19	...	...	22.3	
Ebensburg	Maximum...	36	35	30	25	29	42	27	25	38	47	52	45	43	41	27	31	25	16	19	22	25	29	30	39	33	28	22	...	...	...	32.2	
	Minimum...	15	26	16	7	-5	10	23	4	1	-6	9	12	30	32	24	14	11	5	4	6	11	16	12	12	16	4	15	10	...	...	11.9	
Emporium	Maximum...	36	38	32	28	32	42	41	34	33	38	45	53	42	41	37	40	33	30	27	23	28	28	31	34	39	32	32	30	...	...	35.0	
	Minimum...	18	28	21	5	8	8	32	19	-4	-7	0	12	19	32	17	20	19	12	12	13	18	23	16	9	16	15	15	16	...	...	14.1	
Ephrata	Maximum...	39	40	37	34	38	45	42	37	36	37	44	52	41	39	41	35	35	33	28	31	34	33	41	41	47	39	39	34	...	...	38.4	
	Minimum...	16	27	27	20	17	15	36	23	20	18	15	21	27	36	33	25	24	19	15	17	21	28	25	19	25	21	21	...	...	...	22.2	
Erie	Maximum...	40	34	26	22	35	39	36	25	27	34	40	48	19	44	31	27	32	20	18	22	26	27	27	30	32	23	21	...	...	...	30.7	
	Minimum...	26	24	19	11	11	32	22	18	16	10	21	35	41	30	24	23	20	15	14	13	20	22	20	20	20	14	15	...	...	...	20.5	
Franklin	Maximum...	40	31	28	25	35	38	35	25	28	35	45	53	46	41	30	30	29	19	18	22	25	26	29	33	37	32	31	...	...	...	32.0	
	Minimum...	20	24	23	15	8	9	30	19	15	-2	-2	7	21	29	27	19	20	10	10	11	13	19	21	19	19	9	10	...	...	...	15.7	
Freeland	Maximum...	23	30	24	24	23	35	36	33	29	30	42	42	35	36	36	26	26	25	22	25	28	29	28	32	40	36	30	...	...	...	30.5	
	Minimum...	8	22	17	12	10	11	29	13	11	5	15	25	25	29	24	13	15	12	6	13	14	20	16	11	20	11	8	...	...	...	15.1	
George School	Maximum...	36	37	36	33	35	44	41	39	37	33	45	47	46	40	43	36	31	31	28	32	36	38	39	40	47	47	39	38	...	...	...	38.4
	Minimum...	15	21	20	18	13	12	35	23	21	12	9	22	26	30	35	24	21	21	15	13	20	29	24	20	22	20	18	17	...	...	...	20.7
Gettysburg	Maximum...	41	40	41	35	38	45	45	41	35	37	45	50	46	43	42	38	43	41	30	33	37	36	42	41	49	47	36	35	...	...	...	40.4
	Minimum...	21	30	28	18	14	13	31	22	21	11	11	19	24	34	33	26	24	19	14	16	21	27	22	19	27	20	24	19	...	...	...	21.7
Gordon	Maximum...	33	38	34	28	31	42	40	34	32	32	43	4	25	32	30	32	32	19	22	27	30	32	34	41	38	33	31	...	...	...	34.3	
	Minimum...	16	21	24	18	1	2	31	16	16	2	3	12	25	32	30	19	16	16	15	19	25	24	15	16	17	12	14	...	...	...	16.9	
Greensburg	Maximum...	49	38	33	29	35	50	47	25	28	4	49	55	51	47	38	32	33	27	17	21	24	24	32	30	42	37	31	...	...	...	45.1	
	Minimum...	24	32	25	13	9	26	25	20	18	9	20	27	38	37	30	22	12	10	9	11	17	19	16	15	22	13	27	15	...	...	...	19.8
Grove City	Maximum...	35	38	30	31	34	41	41	22	28	34	45	54	51	44	37	28	33	35	22	24	33	37	28	33	36	34	36	30	...	...	...	35.1
	Minimum...	23	29	21	7	13	28	21	14	14	3	17	30	37	33	15	6	16	8	7	11	16	18	17	17	25	10	8	11	...	...	...	17.0
Harrisburg	Maximum...	39	40	33	32	39	46	39	33	35	33	44	48	40	40	40	35	36	27	26	30	33	35	38	38	48	34	36	...	...	...	36.6	
	Minimum...	23	30	25	19	18	16	28	22	20	14	14	20	28	35	31	24	25	17	16	18	22	25	25	20	28	21	23	...	...	...	22.3	
Hawley	Maximum...	30	39	35	26	34	37	40	35	30	37	43	4																				

Daily Temperatures for February, 1941-(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum.....	34	40	39	30	30	40	42	37	33	33	35	42	42	40	40	35	32	33	25	27	31	34	36	35	42	43	37	35				35.8
	Minimum.....	19	26	23	20	12	8	35	19	18	9	5	14	21	34	33	22	19	19	15	17	21	28	26	19	21	20	17	16				19.9
Quakertown.....	Maximum.....	32	40	37	29	32	41	40	38	33	32	38	44	43	38	38	34	31	32	25	28	33	35	36	34	43	40	30	35				35.6
	Minimum.....	15	21	20	19	13	7	30	21	19	11	9	12	23	33	33	23	13	19	9	17	19	28	26	18	20	19	16	13				18.8
Reading*.....	Maximum.....	35	40	35	32	34	45	43	34	36	34	42	50	42	41	39	34	33	28	26	30	34	34	38	37	45	37	39	31				36.7
	Minimum.....	20	32	25	21	19	17	31	24	20	14	17	23	29	37	31	25	26	18	16	18	21	27	26	21	27	22	21	16				23.0
Retreat.....	Maximum.....	25	35	35	26	25	40	40	34	26	26	39	39	34	38	38	34	28	28	21	26	32	34	25	29	32	32	26	26				31.1
	Minimum.....	14	24	23	20	3	2	33	23	2	4	4	13	20	32	32	24	15	17	10	15	19	14	13	13	16	12	13				16.2	
Ridgway†.....	Maximum.....	36	34	27	26	32	16	37	24	33	38	45	52	44	42	29	29	33	17	17	21	22	27	29	36	38	33	30	23				32.1
	Minimum.....	11	19	17	13	-6	-6	27	17	14	-12	-12	-1	13	34	26	17	16	10	9	9	12	17	18	2	0	11	10	14				10.7
Scranton*.....	Maximum.....	31	38	27	24	30	41	43	32	29	33	40	49	42	43	38	26	29	26	23	27	30	32	31	30	42	26	30	20				32.6
	Minimum.....	16	23	21	18	14	10	32	22	11	6	12	20	27	37	24	19	16	16	12	18	22	27	22	17	17	15	12	12				18.5
Selinsgrove.....	Maximum.....	33	40	36	35	33	41	42	38	36	34	41	44	43	38	38	33	32	34	24	24	32	32	38	38	44	39	32	17				36.1
	Minimum.....	10	23	25	19	0	4	29	16	18	3	1	10	20	34	28	18	19	17	14	16	20	27	25	32	21	17	16	16				17.8
Somerset.....	Maximum.....	35	35	28	25	22	47	45	27	24	44	45	49	44	42	38	28	30	25	12	14	18	21	24	36	35	27	23				31.3	
	Minimum.....	20	27	18	8	-10	9	11	-8	4	15	21	32	24	15	5	4	3	5	11	14	11	14	13	17	7	19	10				12.2	
Springs.....	Maximum.....	34	33	25	23	31	46	38	19	20	37	41	48	40	42	33	27	28	22	16	13	18	21	26	32	35	29	27	24				29.5
	Minimum.....	23	25	18	9	0	12	19	14	11	-4	7	17	26	33	22	17	19	4	8	4	11	12	10	12	20	5	23	10				13.6
State College.....	Maximum.....	36	39	29	27	30	40	41	25	30	34	43	48	40	40	32	29	32	19	18	23	26	27	31	34	40	34	30	22				32.1
	Minimum.....	20	28	18	14	12	12	19	18	16	4	5	10	20	32	25	19	19	12	10	10	12	23	20	15	20	15	15				16.4	
Stroudsburg†.....	Maximum.....																																
	Minimum.....																																
Towanda.....	Maximum.....	33	44	28	28	30	42	42	34	31	32	38	47	43	45	38	31	30	30	24	31	32	36	33	33	43	31	29	20				34.2
	Minimum.....	2	21	15	0	-4	32	20	12	-5	2	8	19	35	25	17	14	18	12	17	21	26	20	15	12	15	11	12				14.7	
Uniontown.....	Maximum.....	43	40	33	31	39	55	50	26	26	43	52	57	54	48	39	36	34	29	19	21	25	27	33	37	46	37	32	31				37.2
	Minimum.....	29	32	25	15	15	28	26	20	18	9	18	25	37	39	30	24	26	11	10	11	18	19	17	19	26	15	27	18				21.7
Vandergrift*.....	Maximum.....	46	41	34	29	33	48	38	26	34	39	46	5	45	36	32	38	35	30	20	24	28	29	34	34	44	32	32	28				35.4
	Minimum.....	21	29	20	13	8	23	22	16	16	2	12	19	35	28	23	28	20	13	10	10	19	19	19	19	21	12	24	16				18.6
Warren.....	Maximum.....	37	37	25	27	35	36	36	24	30	40	46	51	45	42	32	29	32	23	18	20	27	26	27	34	34	28	33	22				32.0
	Minimum.....	14	25	17	10	-5	23	21	16	10	-7	5	19	28	32	24	16	14	13	11	11	17	22	10	7	15	16	10	14				14.6
Waynesburg.....	Maximum.....	45	40	33	34	40	55	49	21	28	43	52	59	62	48	37	35	33	28	18	20	24	25	34	40	45	37	32	28				37.4
	Minimum.....	30	31	21	16	13	29	23	19	18	6	15	23	30	31	29	23	27	10	8	10	17	18	16	19	25	14	25	16				20.2
Wellsboro.....	Maximum.....	33	37	26	26	23	38	41	33	28	32	41	46	40	40	38	28	32	24	22	24	30	30	29	28	40	26	25	19				31.4
	Minimum.....	5	25	18	14	-5	2	26	18	14	-6	2	10	20	33	27	15	16	14	11	15	18	25	20	12	14	15	11	12				14.3
West Chester.....	Maximum.....	35	40	36	32	36	45	42	37	36	35	44	50	49	41	39	34	34	27	27	30	33	36	37	38	46	41	36	33				37.5
	Minimum.....	18	25	24	20	18	18	34	22	20	13	15	22	29	37	31	24	23	18	14	16	20	28	24	19	24	20	15				21.8	
Wilkes-Barre †.....	Maximum.....	32	36	28	27	32	41	41	31	33	34	40	49	40	43	38	29	29	28	26	32	32	35	33	34	42	30	29	19				33.7
	Minimum.....	8	24	22	19	5	7	30	21	9	5	9	16	23	35	26	20	18	16	11	16	20	27	21	18	19	16	12	12				17.3
Williamsport.....	Maximum.....	33	38	34	33	31	40	41	35	35	32	37	41	40	39	37	31	29	30	23	27	32	32	33	34	43	40	35	27				34.0
	Minimum.....	11	26	25	18	1	4	35	20	19	1	3	12	22	35	31	19	20	17	14	16	20	27	24	16	21	18	15				18.1	
Williamstown.....	Maximum.....	33	35	37	30	33	40	38	35	32	34	47	41	44	37	42	39	33	29	30	32	27	30	32	31	41	40	34	31				35.5
	Minimum.....	13	26	21	14	13	26	32	16	15	7	17	26	27	30	13	15	14	12	12	9	15	13	18	13	22	14	12	...			16.8	
York.....	Maximum.....	38	40	39	33	38	48	42	36	36	38	48	54	45	44	39	35	39	39	39	31	34	34	39	39	48	40	36	34				39.5
	Minimum.....	18	29	28	18	13	15	36	23	21	12	13	20	25	35	34	27	21	19	16	17	21	18	23	18	24	21	24	19				21.7

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date † 1:30 a. m. to 1:30 a. m. *, b, c, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity				
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine	
Erie.....	29.99	30.39	26	29.32	8	9	8	27	w.	17	88	76	88	31
Harrisburg.....	29.96	30.33	10	29.30	7	10	2	26	n.	28	71	54	64	60
Philadelphia.....	29.94	30.35	10	29.14	7	14.1	37	n.w.	28	77	60	69	57	60
Pittsburgh.....	30.00	30.34	24	29.42	8	12	6	37	n.w.	17	83	64	69	31
Reading.....	29.95	30.36	10	29.20	7	14.5	37	n.	28	63	51	57	61	61
Scranton.....	29.93	30.32	10	29.19	7	8	0	24	n.w.	25	72	67	63	36

* For any five minute period.

† Corrected to true velocities

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware						18
Easton	Delaware	3.5	9.1	1	1.8	28	22
Lehighton	Lehigh	3.5	4.4	1	3.1	22	9
Wilkes-Barre	Susquehanna	4.1	5.8	21	3.0	10	22
Williamsport	Susquehanna	1.9	2.6	19	1.3	12	20
Harrisburg	Susquehanna	5.0	7.7	18	3.6	10	17
Greensboro	Monongahela	11.5	13.2	1	10.9	24†	80
Lock No. 4	Monongahela	12.3	14.4	1	11.3	24†	80
Pittsburgh	Ohio		16.7*	8†	16.4*	18†	26
Midland	Ohio		15.9*	24†	14.7*	17	80

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MAY 29 1941

UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

32

PENNSYLVANIA SECTION.

L. F. CONOVER
HARRISBURG, PA.

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No. 3.

GENERAL SUMMARY.

During March, deficiencies in temperature and precipitation continued to accumulate from the previous months of January and February. Temperatures remained decidedly below normal until about the 18th, most stations recording their absolute minimum temperatures for the month in the cold spell which occurred at that time. Maximum readings generally obtained at the end of the month, except monthly maxima were reported in the western portion of the State about the 23d. This warm weather was unable to counteract the great deficiencies which had piled up earlier in the month. Averages at all stations were below normal, ranging from 3° to 10° below station normals. Only five times in the 54 years of record have lower mean temperatures been observed in March. Deficiency for the State was 6°. The monthly total precipitation was about 60% of normal and, like the mean temperature, only five times has the March total been smaller. Greatest amounts fell during the period March 7-12th after which only negligible amounts were recorded. Only George School showed an excess over the station normal, all others having deficiencies ranging to as much as 2.39 inches. Lake Erie received only 1.16 inches of precipitation; the Southwest 1.22 inches, Plateau 2.02 inches, Mountains 2.22 inches, while the Southeast received the great-amount, 2.63 inches.

As most of the precipitation during the month fell as snow, the average total snowfall was more than twice the normal amount. A comparatively heavy snow mantle existed until the last ten days, by which time it had disappeared except on the north slope of the Mountains. This snow-cover was helpful to vegetation but the individual storms caused some damage to trees before reaching the ground. Heaviest storm of the winter struck the State on the 7th, 8th, and 9th when many stations reported 15 or more inches. Sleet accompanied this storm and added to the difficulties of pedestrians and transportation facilities. Roads were blocked, planes were grounded, and a wave of accidents occurred due to the hazardous conditions resulting from the storm. Thunder and lightning were reported from a number of stations on the 16th and some damage was reported on the 20th due to high winds. The Allegheny River rose rapidly early in the month but no damage of consequence occurred.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 89 stations, was 31.8°, which is 5.7° below the 54-year normal for March. The highest monthly mean was 39.4° at Marcus Hook, and the lowest was 22.2° at Montrose. Extremes ranged from a maximum of 67° at New Castle on the 24th, to a minimum of -10° at Lawrenceville on the 14th. The greatest daily range in temperature was 52° at Coudersport

on the 10th and at Lawrenceville on the 14th.

PRECIPITATION.

The average precipitation from rain, sleet, and melted snow, for the State, as deduced from the observations at 181 stations, was 2.10 inches, which is 1.40 inches below the 54-year average for March. The greatest monthly amount was 3.57 inches at Point Breeze, Philadelphia, and the least was 0.57 inch at McKeesport. The greatest amount for any 24 consecutive hours was 2.18 inches at George School on the 8th.

The average snowfall for the State was 18.0 inches, which is 10.3 inches above the 54-year normal. The greatest total snowfall for the month was 37.7 inches at Montrose; the greatest fall for any 24 consecutive hours was 13.0 inches reported by Fredericksville, New Tripoli, and Zionsville on the 8th, and by Lakeville on the 12th.

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	31.2	72	-6	3.55	9.9	11	6	10	13
1889.....	39.0	76	4	2.50	3.1	9	10	8	15
1890.....	33.2	76	-21	5.15	17.5	16	6	10	15
1891.....	33.8	69	-14	5.10	15.8	14	7	8	16
1892.....	31.8	66	-4	4.14	18.8	12	11	7	13
1893.....	34.8	74	3	2.52	4.8	11	9	9	13
1894.....	43.2	84	-2	1.63	1.3	8	12	11	8
1895.....	33.8	70	-4	2.31	9.0	11	10	10	11
1896.....	30.6	69	-18	4.51	21.1	11	11	8	12
1897.....	39.0	75	-5	3.22	3.4	13	11	7	13
1898.....	44.0	83	4	4.31	3.6	12	10	8	13
1899.....	36.3	75	3	4.87	7.9	14	5	9	17
1900.....	31.2	66	-23	3.61	13.1	10	10	9	12
1901.....	37.4	80	-11	4.14	3.3	13	7	10	14
1902.....	41.8	78	2	3.98	12.6	11	10	9	12
1903.....	46.4	83	14	4.52	0.1	11	10	7	14
1904.....	36.0	80	-2	4.29	4.7	12	9	8	14
1905.....	39.0	86	-18	3.86	4.1	11	12	8	11
1906.....	31.7	68	-13	4.46	20.4	14	8	7	16
1907.....	41.8	92	-10	4.26	9.3	12	11	8	12
1908.....	40.7	83	-4	4.76	3.7	12	11	8	12
1909.....	35.6	74	-5	3.07	7.3	12	10	9	12
1910.....	44.9	88	5	0.56	1.0	5	15	10	6
1911.....	35.0	73	-18	2.57	10.1	13	11	8	12
1912.....	33.6	72	-8	5.05	6.9	13	10	8	13
1913.....	42.1	81	-7	5.27	2.1	13	9	8	14
1914.....	34.2	79	-12	2.61	13.4	10	10	8	13
1915.....	32.5	62	-4	1.28	9.5	7	15	8	8
1916.....	30.7	84	-31	4.12	17.6	12	12	8	11
1917.....	37.3	84	-12	3.68	12.7	14	11	8	12
1918.....	41.6	82	0	2.34	1.5	8	17	7	7
1919.....	41.1	79	6	3.57	2.4	10	15	7	9
1920.....	38.7	80	-11	2.83	6.4	9	16	7	8
1921.....	48.0	88	7	3.33	1.0	14	12	9	10
1922.....	40.0	81	-5	4.37	6.1	14	11	6	14
1923.....	37.0	80	-8	2.49	6.2	11	13	8	10
1924.....	36.1	78	3	2.83	10.3	9	12	9	10
1925.....	40.9	79	-15	2.56	2.2	10	14	6	11
1926.....	33.1	79	-16	1.91	4.0	10	14	8	9
1927.....	42.0	82	-6	2.61	0.7	10	13	7	11
1928.....	37.0	82	-3	3.24	14.5	11	12	8	10
1929.....	43.7	89	-5	2.69	4.4	12	12	8	11
1930.....	37.9	78	-9	3.05	4.9	10	13	7	11
1931.....	36.3	69	10	2.96	6.6	11	8	7	16
1932.....	33.4	72	-8	4.41	14.7	11	10	8	13
1933.....	36.6	79	-7	5.33	5.6	14	8	7	16
1934.....	34.9	78	-22	2.96	7.7	12	12	7	12
1935.....	42.8	83	-6	2.62	2.9	12	11	7	13
1936.....	42.6	84	-3	6.84	7.4	15	9	7	15
1937.....	34.2	67	-3	2.00	8.3	10	11	8	12
1938.....	42.7	87	-5	3.19	2.0	14	10	8	13
1939.....	38.6	85	-10	3.59	3.8	12	11	8	12
1940.....	32.4	76	-13	4.89	7.9	14	8	7	16
1941.....	31.8	67	-10	2.10	18.0	9	13	7	11
Period	37.5	92	-31	3.50	7.7	11	11	8	12

Climatological Data for March, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days			Prevailing direction of wind	Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation 61 in or more	Clear			Pt. cloudy	Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	260	29	33.0	-5.0	53	31	13	18	29	2.50	-0.90	0.91	21.3	8	18	12	1	nw.	John A. Frick.
	Altoona.....	Blair.....	1,615	54	30.4	-7.0	54	31	4	18	34	2.59	-0.69	0.84	21.1	11	21	4	6	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	330	21	31.2	-6.6	61	31	11	17	39	2.89	-1.33	1.10	11.3	9	14	6	11	.....	H. L. Balderston.
	Arendtsville.....	Adams.....	710	19	35.2	-4.2	59	31	10	18	36	2.28	-1.20	0.98	14.4	8	18	7	6	nw.	Penn. State Expt. Station.
	Bedford.....	Bedford.....	1,100	9	35.0	.....	58	31	7	18	33	1.80	.....	0.80	12.5	5	15	0	16	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	450	55	31.8	-5.6	58	23	12	18	31	1.82	-1.42	0.81	16.2	10	20	3	8	nw.	Lehigh University.
	Bloomsburg (near).....	Columbia.....	560	15	30.8	.....	55	31	-3	14	44	1.50	.....	0.70	20.0	3	13	8	10	nw.	Benj. F. Conner.
	Carlisle.....	Cumberland.....	473	72	36.0	-2.7	61	31	12	18	35	2.57	-0.74	1.20	21.0	7	14	8	9	nw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	600	44	36.2	-3.6	60	31	11	14	36	2.54	-0.73	0.94	18.0	7	11	9	11	nw.	William B. Spear.
	Clearfield.....	Clearfield.....	1,260	40	30.6	-6.5	55	23	5	18	44	2.40	-1.28	0.62	23.5	11	13	2	16	nw.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	431	54	34.2	-5.6	59	31	11	18	34	2.27	-1.75	1.20	9.0	6	10	6	15	nw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	630	29	33.2	-5.7	55	31	11	18	33	2.16	-1.67	0.73	17.3	7	15	2	14	nw.	Wm. A. Rorer.
	Emporium.....	Cameron.....	1,050	56	30.2	-5.1	56	24	3	14	38	1.95	-1.78	0.50	12.0	7	13	0	18	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	365	44	35.8	-4.3	59	23	13	18	35	2.38	-0.95	0.99	12.7	7	17	4	10	n.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,900	48	27.2	-5.6	50	23	2	17	38	2.55	-1.82	0.73	23.2	11	9	2	20	w.	Andrew B. Evansha.
	George School.....	Bucks.....	160	35	34.8	-5.7	58	31	14	18	34	3.55	-0.13	2.18	10.7	10	15	9	7	nw.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	68	37.2	-3.1	62	31	12	18	35	2.12	-1.40	1.00	16.0	7	14	9	8	nw.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	900	37	30.0	-6.7	53	23	2	14	40	2.39	-1.50	0.90	25.0	8	14	7	10	w.	Miss Sallie M. Johnson.
	Goldsboro.....	Wayne.....	1,890	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Steward W. Eilenberger.	
	Ohio Drainage.	Hanover.....	York.....	600	37	36.6	-5.7	60	31	11	18	32	2.93	-0.38	1.16	19.9	8	15	6	10	n.	Thomas V. Cooper.
Harrisburg.....		Dauphin.....	337	72	36.0	-2.9	60	31	13	18	35	2.10	-0.94	0.99	16.6	7	9	8	14	nw.	U. S. Weather Bureau.
Hawley.....		Wayne.....	900	23	27.6	-7.0	54	31	-2	14	42	2.23	-0.67	0.61	28.8	11	17	4	10	w.	Mrs. Della M. Pennell.
Holtwood.....		Lancaster.....	200	26	35.7	-5.5	55	31	16	18	28	2.38	-0.64	1.08	19.5	8	16	7	8	nw.	Penna. Water & Power Co.
Huntingdon.....		Huntingdon.....	700	54	33.2	-5.5	57	31	6	14	43	1.76	-1.70	0.84	20.0	7	12	7	12	w.	Prof. Paul R. Yoder.
Kiartown.....		Clearfield.....	1,700	12	27.9	-5.6	51	31	4	18	34	1.98	.....	0.60	18.0	11	4	16	11	w.	U. S. Weather Bureau.
Lancaster.....		Lancaster.....	280	54	34.8	-4.8	60	31	12	18	40	3.07	-0.25	1.75	16.0	7	17	4	10	nw.	Supt. of Water Works.
Lawrenceville.....		Tioga.....	996	44	25.6	-9.1	53	24	-10	14	52	2.27	-0.03	0.70	22.0	8	16	4	11	.....	C. P. Darling.
Lebanon.....		Lebanon.....	469	57	33.6	-5.6	57	31	11	18	33	2.14	-1.34	0.99	13.9	6	18	8	5	sw.	Lebanon Valley Gas.
Lewistown.....		Mifflin.....	480	3	35.1	.....	58	31	12	18	31	1.54	.....	0.58	.....	5	12	7	12	e.	Penna. Edison Co.
Lock Haven.....		Clinton.....	554	51	33.0	-5.5	57	31	7	14	42	2.16	-1.21	0.75	25.0	6	13	9	9	nw.	E. A. McGill.
Marcus Hook.....		Delaware.....	50	15	39.4	-4.9	59	30	16	17	30	2.87	.....	1.10	18.7	8	22	5	4	sw.	Sun Oil Co.
Montrose.....		Susquehanna.....	1,656	36	22.2	-9.9	48	23	0	17	34	2.64	-0.03	0.87	37.7	12	10	7	14	nw.	Harry S. Fancher.
Mt. Pocono.....		Monroe.....	1,740	35	24.4	-7.4	54	31	0	5	40	2.90	-0.66	1.00	29.0	6	11	7	13	nw.	Cecil J. Hoskinson.
Muncy Valley.....		Sullivan.....	864	29	27.0	-8.0	51	31	1	14	43	2.44	-0.59	0.97	18.0	8	17	8	6	w.	H. O. Hacker.
Neshaminy Falls.....		Bucks.....	80	52	36.0	-3.2	64	25	12	18	33	2.59	-1.16	0.80	11.0	10	16	6	9	w.	Philadelphia Sub. Water Co.
New Bloomfield.....		Perry.....	679	3	32.6	.....	56	31	5	14	39	2.05	.....	0.70	16.0	6	12	13	6	w.	J. Earl Szeffler.
Palmerton.....		Carbon.....	420	23	33.0	-4.2	59	31	12	18	35	2.28	-0.76	0.78	19.4	10	17	5	9	nw.	New Jersey Zinc Co.
Philadelphia.....		Philadelphia.....	26	70	37.4	-3.4	57	31	16	18	32	2.80	-0.59	1.60	11.3	10	14	6	11	nw.	U. S. Weather Bureau.
Phila. Navy Yard.....		Philadelphia.....	20	25	37.5	-4.5	58	16	16	18	30	2.88	-0.64	0.87	13.2	11	13	8	10	nw.	Navy Aerological Office.
Phoenixville.....	Chester.....	100	31	35.3	-5.7	62	31	15	18	40	2.66	-0.98	1.15	16.0	9	19	9	3	w.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	430	3	32.8	-5.6	53	31	12	18	36	2.34	-1.53	1.10	20.0	9	22	2	7	n.	E. E. Rarick.	
Quakertown.....	Bucks.....	480	56	32.2	-5.2	56	31	11	18	36	2.85	-0.94	1.23	17.1	9	19	5	7	nw.	John E. Benner.	
Reading.....	Berks.....	273	71	35.6	-5.0	56	23	14	18	34	2.68	-0.84	1.36	17.5	10	15	6	10	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	47	30.4	-5.3	54	31	10	18	32	1.64	-1.56	0.50	17.7	10	8	10	13	nw.	U. S. Weather Bureau.	
Sellingsgrove.....	Snyder.....	420	51	33.3	-3.2	54	31	7	14	30	3.00	-0.52	1.25	19.1	10	13	7	11	nw.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	45	35.8	-6.6	57	22	15	18	38	2.90	-0.57	1.42	14.8	11	9	11	11	nw.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	8	35.3	.....	60	31	10	18	31	1.99	.....	0.89	16.0	7	10	8	15	sw.	State Teachers College.	
State College.....	Centre.....	1,217	57	31.0	-5.1	54	31	7	18	30	1.50	-1.84	0.55	16.9	10	5	11	15	nw.	Penna. State College.	
Towanda.....	Bradford.....	754	47	29.0	-6.1	54	31	-1	14	43	2.16	-0.43	0.65	31.0	11	10	6	15	nw.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,313	71	27.4	-5.5	52	24	-4	14	43	2.10	-0.56	0.95	32.4	10	16	4	11	ne.	George W. Hill.	
West Chester.....	Chester.....	440	92	35.2	-3.9	58	31	13	18	32	2.24	-1.59	1.02	12.1	8	15	11	5	nw.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	3	30.4	.....	54	31	7	14	35	2.16	-0.75	1.03	30.8	12	8	7	16	nw.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	542	55	31.6	-5.9	53	31	8	10	37	2.25	-0.97	0.77	24.6	8	17	2	12	nw.	Mrs. Veronica A. Keller.	
Williamstown.....	Dauphin.....	1,275	26	31.9	-6.9	58	23	5	18	34	1.72	-1.55	0.65	16.5	6	16	5	10	sw.	Susquehanna Cottons Co.	
York.....	York.....	400	53	36.0	-4.6	61	31	13	14	38	2.39	-0.72	1.09	18.0	7	13	14	4	nw.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	51	25.8	-7.5	55*	23	-2	10	48*	2.24	-1.01	0.61	19.9	13	8	4	19	.....	Frank S. Fawcett.
	Butler.....	Butler.....	1,077	28	32.0	-5.8	62	23	7	2	39	1.42	-2.02	0.50	15.5	8	17	10	4	w.	William C. Faust.
	Claysville.....	Washington.....	1,150	36	31.8	-9.2	64	23	1	1	40	1.41	-1.92	0.35	12.8	12	14	5	12	s.	J. L. Melvin.
	Corry.....	Erie.....	1,430	28	25.8	-7.0	57	23	1	2	41	1.76	-2.05	0.60	.....	10	12	6	13	nw.	Pennsylvania Electric Co.
	Condersport.....	Potter.....	1,665	14	28.4	-4.1	56	23	-4	10	52	2.25	.....	0.65	18.0	11	16	3	12	nw.	Phillip R. Shaw.
	Derry.....	Westmoreland.....	1,172	44	32.4	-7.4	63	23	6	18	37	2.34	-1.52	0.56	17.9	8	10	6	15	w.	N. Dixie Wineman.
	Donora.....	Washington.....	762	15	33.9	-8.1	65	23	8	18	35	1.12	.....	0.39	10.7	7	6	7	18	w.	Donora Zinc Works.
	Ebensburg.....	Cambria.....	2,160	24	28.1	-7.6	55	31	0	18	35	2.86	-0.78	0.47	26.0	9	11	12	8	w.	Robt. A. Wasser.
	Franklin.....	Venango.....	987	67	27.8	-7.6	55	23	6	2	43	1.54	-1.81	0.54	18.0	10	11	5	15	n.	William K. Fuller.

Daily Precipitation for March, 1941

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage																																	
Allentown ²	Lehigh	.57			.01			.91	.33	T			.56	.03				T							.04	.05	T						2.50
Altoona	Juniata	.01		T	.19		*	*	1.38			.57	.25					.02							.08	.08					*	.06	2.59
Ansonia ²	W. Br. Susq.	.01			.31	T			.13	.33	.04	.15	.29	.01				.01							.08	T					T	.06	1.37
Archmore ³	Lower Del.	.22		T	T			.65	1.10	.10		.62	.04	T	T	T		.01						.11	.02	T				T		2.80	
Aronsville ²	Lower Susq.	.03		T				T	.98	.57	T	.41	.09	.01	T			T						.15							.04	2.28	
Baker's Summit	Juniata							.20	.63	.55		.25	.12											.04							.08	1.87	
Bald Eagle L.	Middle Susq.			.16	.01			.30	.66			.42	.06																			1.63	
Bedford ¹²	Juniata	T						T	.80	.60		.20	.10	T				T		T				.10	T	T				T		1.20	
Bellefonte	W. Br. Susq.																																2.85
Berwyn Lake ¹	W. Br. Susq.			.51	.04			.23	.43	.40		.49	.11				.13	.39						.09									2.85
Bethlehem	Lehigh	.23			.05			T	.81	.10		.45	.01	.05				.01						.08	.03					T			1.82
Bloomsburg	Susquehanna			T					.70	.40		.40						T		T					T								1.50
Blosserville	Lower Susq.	T						.20	.70	.38		.69	.02	T			T	T	T	T	T			.05	T				T	.10		2.14	
Buffalo Mills ²	Potomac				T				.65	.72		.02	.26					T						T	T					T		1.65	
Carlisle	Lower Susq.			T				.22	1.20	.46		.47	T	.02										.08						T	.12	2.57	
Carle Camp ¹	W. Br. Susq.			.53	.07			.02	.66	.11		.57	.07											.04									2.07
Centre Hall	Susquehanna																																2.54
Chambersburg ²	Potomac	.01						T	.72	.94		.42	.22	T				.04							.16	T				T		2.40	
Clearfield ²	W. Br. Susq.	T		T	.45	T	T	T	.50	.62	T	.21	.39	.03				.04	T					.02	.03	.04					T	.11	2.27
Coatesville	Lower Del.	.61			.02			.30	1.20	T		.66						T						.08									2.16
Colebrook	Lower Susq.	T		T	T			*	.82	.39	.02	.73	T	T				T						.18							.02		2.89
Conshohocken	Schuylkill	.21		T				.08	1.53	.04		.63		.05			.01	T						.12	.19								1.55
Covington ²	N. Br. Susq.	T			.20				.20	.70	T	.20							.03					.05	.10						.05		2.77
Doylestown	Lower Del.	.72						T	1.28	.20		.43		.04				T						.05	.05								1.92
Driftwood	W. Br. Susq.			.35	.02				.12	.65	.20	.49	.03					.04	.02														2.39
Du Bois	W. Br. Susq.			.02	.44	T	T	T	.31	.10		.30	.18					.01	.02	.03					T					.07	T		1.95
East Waterford ¹²	Juniata	.10			T				.62	.76	.03	.27	.41	.10					.01					.02	.02						.05		1.81
Emporium ²	W. Br. Susq.			.24					.26	.50	*		.90					.05															2.38
English Center ¹	W. Br. Susq.			.30	.06			.10	.89			.46																					1.81
Ephrata	Lower Susq.	.17		T	.03			.14	.99	.14		.83	T	T				T						.06						T		2.83	
Fredericksburg ²	Schuylkill	.30		T	T			1.10	.31	T		.90	.03				T	.02						.01	.04					T		2.55	
Freeland ²	Lehigh	.45	.08		T			.73	.56	.06		.48	.05	.01				.05	T					.01	.03	.05							1.98
Galeton	N. Br. Susq.	T		.21	.12			T	.35	.53	T	.63	.03					T	.03					.08	T								3.55
George School	Lower Del.	.14		.02	T			T	2.18	.36		.56		.07				.01	T					.08	.12					T	.01	2.12	
Gettysburg	Potomac	.07		T				.20	1.00	.30		.47		T				T						.07									2.39
Gordon	Lower Susq.	.35		T				T	.90	.27		.40	.25					T	.07						.09								2.21
Gouldsboro ²	Lehigh																																2.93
Graterford	Schuylkill	.24		T				T	1.58	.19		.11		T				T						.09									2.10
Hanover	Lower Susq.	.33		T				.16	1.16	.50		.62	T	.04				T	T					.07	T						.05	2.23	
Harrisburg ¹¹	Lower Susq.	T		T	T			.60	.71	T		.18	.02	T				.02						.11	T					T	.16	T	2.58
Hawley ²	Upper Del.	.23			.03	T	T	.44	.60	.08	T	.61	.03					.11	.05	.01				T	.04	T				T		2.38	
Hollisterville ²	Upper Del.	.37		T	.05	T	T	.09	.54	.47	.06	T	.64	.09	T			.19	T	T				.03	T	.01	.03	T			.04		2.85
Holtwood ²	Lower Susq.	.35		T				1.08	.38	T		.08	.42	.03	T			T	T					.03	T							.01	1.76
Huntingdon	Juniata	T						.15	.84	.16		.44	.10	T				T						.02	.05					T	T		2.04
Huntsdale ¹	Lower Susq.							.44	.92	.03		.56												.09									1.42
Hyndman ²	Potomac	T			T			T	.80	.12		.15	.05	T				T						T	T	T					T		1.98
Kylertown ² **1	W. Br. Susq.	T		.33	.11	T	T	.21	.60	.15		.31	.16	T				.04	.05	.02				T	T	T					.06	T	1.89
Lakeville ²	Upper Del.	.10						.45	.47	T		.52	T					.22	.07														3.07
Laurelton ³	Lower Susq.	.23		T	.03			.10	1.75	.18		.66	T					T	T					.12	T								1.91
Lansford ²	Lehigh	.27		T				.65	.65	.20	T		.68	.05																			1.97
Laurelton ³	Lower Susq.			.05	.02			.30	.76	.04		.77	.03																				2.27
Lawrenceville	N. Br. Susq.	T		.05	.10			.70	.60			.55	T					.05	.10					.12	T					T		2.14	
Lebanon ²	Lower Susq.	T		T				.90	.39	.01	.23	.49	T					.12	T					.12	T								2.54
Lehighton ²	Lehigh	.53			T			.91	.41	T		.58	T					T						.04	T								1.54
Lewistown	Middle Susq.	T			T			.05	.46	.43		.58	.02											T	T					T	T		2.16
Lock Haven ²	W. Br. Susq.	.01		T	.15			.63	.60	T	.75	T																					

Daily Precipitation for March, 1941—Continued from page 15

Stations	Drainage Basin	Day of month																															Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Atlantic Drainage (continued)																																			
Ringtown ¹ 2	Lower Susq.	.50	.15	.01	.04	T.			.90	.58	.17	.12	.40	.02				.03	.01							T.	.02	.01					.05	3.01	
Scranton ¹	N. Br. Susq.	.20	T.	.01	.05	T.	T.	.10	.49	.15	T.	.38	.03	T.				T.	.13	T.	T.					T.	.10				T.	T.		1.64	
Selinsgrove ¹	Lower Susq.	.20						.05	1.00	.28	.05	1.25	.04													.04	.03					.06		3.00	
Sellersville ¹	Lower Del.	.01			.03			.37	.74	.07			.50					.03	.03							.07	.03							1.88	
Shade Gap ¹	Middle Susq.							.42	.39	.07			.38																				1.26		
Shawmont ¹	Schuylkill	.37		.01	.01			.03	1.42	.17			.66		.03			.01								.11	.08							2.90	
Shippensburg ¹	Lower Susq.	T.						.25	.89	.35		.38	T.	.01				T.								.08	T.					.03		1.99	
South Mountain ²	Potomac							T.	1.01	.60		.37	.21	T.	T.			.03	T.							.13	T.					T.		2.35	
State College ³	W. Br. Susq.	T.		.11	.06	T.	T.	.18	.55	.04		.40	.06					T.	.01	T.						.07	T.					.02	T.	1.50	
Sunbury ²	Lower Susq.	.28			.04			T.	.66	.78	.13	.04	.48	.09				T.	T.							.02	.04	T.				T.	.02	2.58	
Susquehanna ²	N. Br. Susq.	.02	T.		.40	.01	T.		.20	.36	.06	.06	.34	.03				.16	.05	.68						T.	.04					.01		1.82	
Towanda ¹	N. Br. Susq.	.13		.04	.03		T.		.43	.65	T.	.50	.10	T.				.06	.01	T.						.05	.16	T.			T.	T.		2.16	
Vernersboro ²	N. Br. Susq.	T.			.27	T.			.07	.42	.07	.21	.95	.03	T.			T.	T.	.01						.05	.02	T.				T.		2.10	
Vernersville ² [nr]	Schuylkill	.44			T.	.01			.75	.82	.01		.58	.01	.01			T.	T.							.06	.02					T.		2.71	
West Chester ¹	Lower Del.	.33			T.			.12	1.05	.06		.61	.01	.01				T.								.05	T.					T.		2.24	
West Grove ²	Lower Del.	.20	T.	T.				.95	.22	.02	T.	.44	.09	.04				.01								.02	.06							2.05	
Wilkes-Barre ¹ **	N. Br. Susq.	.22	T.	.10		.01		.17	1.03	.07	T.	.37	.02	T.				T.	.02	.03						.09	.03					T.	T.	2.16	
Wilkes-Barre ²	N. Br. Susq.	.55	.02		T.	T.		.41	.73	.04		.60						T.	.02	.01						T.	.02	.15						2.55	
Williamsport ²	W. Br. Susq.	T.			.16			.39	.77	T.	.18	.66	T.					.01	T.							.05	.03					T.		2.25	
Williamstown ¹	Lower Susq.	.25			T.			T.	.65	.45	T.	.30	T.					T.								.03	T.				.04			1.72	
York ¹	Lower Susq.	.18						.16	1.09	.28		.56	T.					T.								.08						.04		2.39	
York Haven ²	Lower Susq.	.04						T.	.78	.35	T.	.21	.52	.05				T.								.18						.02		2.15	
Zionsville (near) ¹	Schuylkill	1.15						T.	2.30	.41		.68						T.								.02	.01							4.57	
Trenton, N. J. ¹	Lower Del.	.07		T.	.01			.46	1.90	.05		.41	.04	.01				.01	T.							.20	T.					T.		2.26	
Ohio Drainage																																			
Acmestonia ²	Allegheny	.02			.51	.03	.01		.20	.40		.18	.11	.11				T.	.07	T.	T.					.06	.05					.03		1.81	
Beaver Falls ²	Beaver	T.			.50	T.	T.	.25	.50		.10	.20	.07					T.	.12	T.	.01	T.				.02	T.				T.	T.		1.61	
Blairsville ²	Allegheny	.01	T.	T.	.29	.92	T.	T.	.28	.60	.01	.10	.07	.14	T.			T.	.12	T.	.01	T.				.02	T.				T.	T.		1.75	
Bradford ¹	Allegheny			.22	.60			.15	.22		.15	.15						.04	.10	.05						.03	T.				T.	.05		1.76	
Brookville ²	Allegheny				.56	T.		.19	.61	T.	.15	.18	.04	T.				.10	.18	.02						.10	.03	T.				.01	.07	T.	2.74
Buckstown ¹	Allegheny	.01		.04	.06	T.		.14	.73	.08	.29	.11						.07	.03	.06	.01					.07	.03					.04		1.77	
Butler ¹	Ohio			T.	.50	T.	T.	T.	.50		.28	.06						.05	T.							.08	.03					.01		.02	1.42
Clarion ²	Allegheny	.04	.02		.50	.05	.02	.16	.74	.15	.19	.31	.10	T.				.01	.04	.01	.02					.12	.03					.03	.07	.07	1.41
Claysville ¹	Ohio			.01	.01			.16	.35	.30	T.	.24	.06	.04	T.			T.	.08							.08	.01					.03	T.		1.87
Confluence ²	Youghiogheny	.01	T.		.36	.01	T.	T.	.52	.50	T.	.12	.03	.11	T.			T.	.14	.01	T.					T.	.01	T.				T.	.05		1.64
Cornellsville ²	Monongahela	.02		T.	.11	T.	T.	T.	.28	.65	T.	.26	.09	.07	T.	T.		T.	.12	T.	T.					T.	.03	T.				.01		1.64	
Coraopolis ²	Ohio	T.		T.	.50	T.		.16	.38		.20	.10	.06					.10								.10	T.	T.				T.	.02	1.62	
Corry ²	Allegheny			.60				.68	.23		.13	.25						.02	.18	.12	.10						.05							1.76	
Coudersport ¹	Allegheny		.18	.30				.27	.65		.41	.15						.13	.05	.02						.07	.02					T.	T.	2.25	
Derry ¹	Conemaugh			.37	T.			.13	.56	.53		.45						T.	.20								.07	.05					.05		2.74
Donora ³	Monongahela		.02	T.	T.		.39	.36	T.	T.	.22	T.	T.					T.	.06	T.	T.					T.	.02	T.				.05		1.12	
Dunlop ¹	Allegheny		.15	.06	.02	.01	.09	.72	.08		.36	.28	.04					.04	.10	.02	.04	.04		.03		.10	.07	.01				.05		2.66	
Ebensburg ¹	Conemaugh	.13	T.	.27			.45	.46	.47		.36	.40						T.	.21								T.	.01					.11		2.66
Franklin ²	Allegheny	T.		.04	T.			.16	.54		.39	.05						T.	.24	.05	.03					T.	.02					T.	.02	1.54	
Greensboro ²	Monongahela	.05		.26	T.			.38	.44	.01	.26	.08	.02	T.				T.	.17	T.						.05	.04	T.				.07		1.83	
Greensburg ¹	Youghiogheny		.01	.18	.01		.16	.48	.46		.01	.18	T.					.01	.12	.01	T.					.07	.02	T.				.03		1.75	
Grove City ¹	Beaver		.02	.59				.59		.28	.33	T.						.03	.15	.01	.01					.04	.15					.01		2.21	
Irwin ¹	Monongahela		T.	.50	T.		.15	.42	.38		.21	.09	.02					.01	.18							.02	.09					.09		2.16	
Johnstown ¹	Conemaugh			.31	.01		.41	1.06	.24		.19	.31						.02	.12	.02						.04	.01					.04	.02	2.80	
Kane Airway Sta ^{**}	Allegheny	T.		.62	.23	.10	.03	.03	.21	.09	.01	.56	.10					.02	.19	.32	.09	.03				.01	.07	.03				T.	.09	.01	2.95
Lake Lynn ²	Monongahela		.03		.22	T.		.33	.53	T.		.02	.05					.01	.24	.02						.03	.12					.09		1.69	
Lock No. 12 ¹	Monongahela		.01		.06	T.	T.	.39	.33	T.	.22	.08	.05	T.				T.	.08	T.	T.					.02	.03					.06		1.33	
Lock No. 52 ¹	Allegheny	.05		T.	.68	.09	T.																												

Daily Temperatures for March, 1941

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month	
Altoona.....	Maximum.....	28	42	51	53	32	33	29	31	35	47	41	37	37	39	43	41	38	19	30	44	45	48	52	49	40	43	48	45	37	38	54	40.3
	Minimum.....	11	13	29	19	12	19	20	20	19	16	30	29	17	17	20	34	7	4	14	24	26	22	21	36	28	24	22	28	24	14	25	20.6
Bedford.....	Maximum.....	29	45	55	54	40	36	34	32	33	48	45	38	37	40	48	45	43	21	35	48	47	50	55	50	50	50	50	44	40	67	43.5	
	Minimum.....	13	12	30	40	20	21	25	22	23	15	34	31	24	8	18	36	12	7	15	35	35	38	41	40	36	33	28	3	28	27	4	26.4
Bethlehem.....	Maximum.....	31	39	50	47	31	36	35	28	31	43	43	39	42	42	51	51	48	20	34	44	44	47	51	55	45	47	52	54	50	59	54	43.2
	Minimum.....	14	24	31	26	15	25	21	24	28	25	32	32	22	2	30	35	20	12	21	25	25	27	37	37	32	31	3	31	23	39	26.5	
Bloomsburg.....	Maximum.....	40	40	44	39	31	35	38	37	38	45	38	43	41	41	42	47	42	15	33	42	44	47	49	51	42	41	51	50	45	39	56	42.1
	Minimum.....	14	14	23	17	14	23	21	25	23	6	21	15	12	-3	7	32	15	10	19	19	25	29	29	24	33	29	21	2	22	19	19	19.5
Brookville.....	Maximum.....	33	40	47	25	32	30	31	35	35	45	40	38	39	40	42	38	15	21	30	44	42	46	55	52	36	40	47	43	33	41	37	37.8
	Minimum.....	11	-1	-1	23	10	16	11	15	21	-2	1	30	40	1	3	11	7	6	7	9	21	15	19	32	29	21	2	24	24	17	16	11.7
Butler.....	Maximum.....	35	44	50	47	31	31	33	35	42	47	47	38	36	40	42	44	43	18	30	42	45	46	52	52	36	38	46	41	43	55	42.5	
	Minimum.....	9	7	40	19	15	19	21	24	15	8	34	30	14	13	16	20	8	7	15	29	25	20	38	40	29	27	28	27	2	14	30	21.4
Carlisle.....	Maximum.....	42	48	48	50	41	40	36	34	38	50	41	43	42	49	52	52	43	29	40	51	54	53	56	53	50	54	58	56	48	45	61	47.2
	Minimum.....	17	22	31	32	18	24	23	23	27	24	29	24	22	14	21	35	19	12	20	31	26	26	24	36	34	28	25	29	30	18	27	24.9
Chambersburg.....	Maximum.....	36	46	56	52	40	41	32	32	39	48	47	40	42	47	49	48	10	28	39	54	55	55	55	51	45	51	57	56	44	45	60	46.3
	Minimum.....	18	23	32	24	18	26	23	23	28	25	32	32	23	11	23	35	16	11	21	32	33	31	27	37	35	28	27	32	32	21	27	26.0
Claysville.....	Maximum.....	34	42	53	56	34	33	33	33	40	48	46	39	35	42	46	43	41	21	38	50	50	51	54	60	40	40	40	40	45	56	43.8	
	Minimum.....	1	8	34	21	9	13	25	23	21	9	32	29	22	13	18	33	6	5	12	30	24	17	24	40	27	19	18	24	26	11	25	19.8
Clearfield.....	Maximum.....	34	42	49	49	33	34	30	36	36	50	41	39	43	43	46	42	38	22	35	50	46	50	55	54	46	44	50	47	39	41	55	42.5
	Minimum.....	13	10	28	14	11	19	16	20	20	6	30	29	17	6	12	32	7	5	14	21	24	18	21	32	29	24	23	25	17	13	20	18.6
Coatesville.....	Maximum.....	32	41	51	51	49	39	34	32	38	44	43	42	39	41	49	53	45	26	38	48	45	48	55	48	45	47	53	51	45	42	59	44.1
	Minimum.....	13	21	24	19	15	22	22	21	26	20	28	29	25	20	25	33	16	11	19	25	22	29	25	34	34	28	32	30	29	22	25	24.0
Corry.....	Maximum.....	31	42	45	19	31	29	37	35	36	48	36	34	37	41	40	36	12	21	31	41	39	38	57	54	33	36	44	45	32	37	55	37.2
	Minimum.....	6	1	5	11	8	11	9	13	20	9	18	28	7	9	18	28	6	5	7	11	15	18	20	25	26	19	25	25	21	6	14	14.3
Coudersport.....	Maximum.....	24	42	45	40	32	31	31	35	27	48	38	37	40	43	44	40	34	21	30	42	39	45	56	52	45	40	42	41	40	38	52	39.2
	Minimum.....	10	0	36	12	6	18	4	20	18	-4	22	22	10	-2	18	30	10	18	18	16	20	31	37	34	28	26	24	18	16	26	17.7	
Donora*.....	Maximum.....	31	40	57	40	36	35	34	35	39	48	46	38	47	44	49	43	27	22	39	51	50	50	65	51	38	42	52	48	37	48	58	43.2
	Minimum.....	11	12	40	12	12	23	30	27	27	18	35	30	36	20	27	27	10	8	14	34	31	26	30	35	32	26	25	31	22	18	33	24.6
Ebensburg.....	Maximum.....	27	42	46	46	30	31	29	29	31	49	43	36	34	39	45	41	39	18	30	42	41	42	51	48	37	40	40	45	14	36	38	38.9
	Minimum.....	7	9	28	15	7	17	18	18	17	15	29	26	16	5	12	29	4	0	10	21	22	14	22	32	25	22	20	20	21	9	22	17.3
Emporium.....	Maximum.....	32	41	48	50	40	35	31	34	30	44	39	39	42	41	45	45	44	28	30	44	34	46	53	56	49	41	48	45	41	37	55	41.5
	Minimum.....	7	22	26	18	13	22	12	24	22	9	26	30	5	3	11	29	9	17	15	19	19	18	34	32	22	22	24	27	1	19	18.8	
Ephrata.....	Maximum.....	37	46	52	49	40	41	33	32	36	48	40	41	44	46	52	52	46	28	38	53	49	53	59	51	46	52	57	55	45	42	58	45.8
	Minimum.....	15	22	32	26	18	25	24	24	29	22	30	30	26	18	26	36	18	13	22	26	25	29	24	36	37	30	29	33	28	23	24	25.8
Erie*.....	Maximum.....	29	42	48	25	28	27	31	30	35	40	39	34	34	37	42	42	16	23	28	36	37	39	42	41	33	35	40	40	30	36	54	35.3
	Minimum.....	12	18	25	12	15	18	16	25	25	25	32	24	19	24	31	16	10	12	19	24	23	23	25	31	29	27	31	30	21	19	33	22.9
Franklin*.....	Maximum.....	27	45	50	20	31	29	34	37	36	46	38	37	38	40	41	39	14	22	31	43	40	41	55	55	34	40	48	42	32	42	53	38.2
	Minimum.....	10	6	7	19	14	16	17	18	23	10	11	30	14	12	12	17	8	8	8	15	23	22	22	23	29	27	25	26	26	18	19	17.3
Freeland.....	Maximum.....	25	31	45	48	30	28	24	28	28	33	33	35	33	35	46	42	36	20	27	37	35	41	50	45	40	38	45	44	36	34	50	36.2
	Minimum.....	5	15	28	10	7	17	12	18	21	17	26	15	22	13	20	32	2	4	10	11	15	20	20	34	27	23	28	26	16	26	27	18.3
George School.....	Maximum.....	39	41	50	49	36	40	37	33	38	44	38	42	40	44	51	52	50	29	39	47	47	51	57	50	47	49	54	51	49	41	58	45.0
	Minimum.....	15	21	28	24	16	20	23	19	30	23	30	29	25	19	34	23	14	21	23	22	27	25	35	36	29	28	31	29	25	24	21	21.7
Gettysburg.....	Maximum.....	39	46	61	58	41	42	41	35	38	50	48	45	42	45	50	51	49	30	40	53	53	53	57	59	54	53	55	54	53	47	62	48.5
	Minimum.....	18	22	32	31	17	22	25	23	27	22	32	33	23	14	25	35	19	12	26	30	33	24	26	30	34	27	30	32	30	19	27	25.8
Gordon.....	Maximum.....	28	40	50	45	34	33	31	33	32	44	37	38	38	42	48	44	40	24	34	42	39	45	53	49	40	48	48	44	39	52	40.7	
	Minimum.....	12	16	21	21	13	17	16	22	25	6	24	24	10	2	17	33	13	9	17	22	16	26	17	32	32	29	22	25	25	19	19	19.1
Greensburg.....	Maximum.....	29	40	52	54	35	34	31	32	34	50	41	38	36	41	48	41	40	21	36	47	48	52	64	55	48	43	48	49	39	44	56	42.9
	Minimum.....	10	8	35	20	16	20	25	23	23	16	34	30	22	16	23	34	9	5	14	31	27	22	26	42	30	25	25	30	26	15	26	22.8
Grove City.....	Maximum.....	28	40	50	50	29	32	32	35	34	44	45	35	38	40	41	40	38	21	32	45	44	48	56	57	41	36	50	47	39	42	54	40.6
	Minimum.....	10	9	11	18	14	15	19	25	22	18	32	29	15	16	22	33	7	6	14	25	24	24	26	38	27</							

Daily Temperatures for March, 1941—(continued)

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Port Clinton.....	Maximum....	31	39	47	50	33	35	34	36	50	46	39	40	40	45	46	46	25	35	43	43	45	51	51	47	46	51	51	49	40	53	42.6	
	Minimum....	14	23	27	27	16	17	19	23	28	14	27	25	17	13	20	35	19	12	20	25	22	29	23	34	35	31	26	27	25	22	21	23.1
Quakertown.....	Maximum....	32	38	49	47	33	36	34	31	37	41	39	40	37	40	46	48	45	26	34	42	42	46	52	51	43	46	51	49	45	39	56	41.8
	Minimum....	13	20	19	22	13	18	20	22	29	22	23	29	16	15	20	32	18	11	21	23	21	28	22	31	35	29	27	26	29	22	20	22.5
Reading*.....	Maximum....	34	42	52	52	37	37	29	33	34	45	39	40	39	43	49	51	44	26	36	48	44	49	56	50	44	48	54	55	43	41	56	48.5
	Minimum....	16	25	37	18	18	28	25	29	27	34	30	27	23	30	38	16	14	22	27	29	31	29	41	36	81	33	34	30	25	30	27.7	
Retreat.....	Maximum....	25	27	49	42	32	32	31	33	33	32	32	35	35	40	40	40	26	32	39	35	41	45	45	45	45	47	47	47	42	36	49	37.8
	Minimum....	14	15	27	11	17	15	23	20	18	26	26	14	7	16	33	15	10	19	12	15	22	19	32	32	28	22	23	24	18	24	19.7	
Ridgway.....	Maximum....	27	43	49	43	31	27	33	34	35	47	39	38	37	42	43	39	34	20	30	44	42	46	55	52	36	40	48	43	35	38	54	39.5
	Minimum....	12	4	4	21	10	15	11	16	20	4	18	29	3	-3	-1	8	7	6	7	6	17	15	17	21	29	21	19	23	23	9	13	13.0
Scranton*.....	Maximum....	26	38	47	44	29	31	31	35	29	40	33	37	35	39	47	46	41	23	28	37	36	41	51	47	40	40	46	46	37	34	54	38.3
	Minimum....	13	22	31	12	14	22	16	24	24	21	27	21	22	17	22	39	12	10	17	20	21	25	23	35	33	30	27	29	24	21	24	22.6
Selinsgrove.....	Maximum....	33	43	47	51	37	37	33	30	33	47	43	4	8	43	46	43	41	25	36	47	43	49	57	50	50	49	52	51	46	42	54	42.9
	Minimum....	16	20	36	25	16	25	21	24	25	20	26	21	7	18	35	14	11	19	23	25	28	25	31	35	28	25	28	27	20	24	23.7	
Somerset.....	Maximum....	21	35	47	47	28	28	28	30	29	50	43	34	36	35	43	41	36	14	29	44	44	43	51	50	43	39	49	45	35	38	51	38.3
	Minimum....	5	8	16	9	17	23	18	18	11	30	25	19	-6	5	30	4	0	11	25	24	16	1	33	24	21	17	24	23	5	21	16.9	
Springs.....	Maximum....	21	39	48	49	27	31	28	26	32	47	37	32	30	35	45	37	35	13	31	47	45	46	52	42	33	58	46	42	31	37	51	37.2
	Minimum....	19	20	35	13	9	18	20	19	13	30	22	15	4	8	31	4	-4	10	26	27	15	20	33	25	15	18	28	19	19	22	18.5	
State College*.....	Maximum....	31	42	51	43	32	33	25	31	33	46	38	36	41	45	40	33	20	31	47	44	49	52	52	38	43	49	47	40	38	54	40.1	
	Minimum....	15	15	37	13	13	22	20	21	22	18	22	24	20	13	20	33	11	7	16	24	28	24	25	38	30	26	27	30	20	17	26	21.8
Stroudsburg.....	Maximum....	26	44	50	49	34	34	30	33	31	44	31	40	39	42	45	47	41	24	30	41	39	43	48	49	41	44	49	48	37	36	54	40.1
	Minimum....	14	13	24	12	12	17	10	23	23	12	18	25	20	-1	8	35	11	8	16	17	12	19	16	32	31	26	20	22	25	18	18	17.9
Uniontown.....	Maximum....	31	42	53	53	36	35	33	32	40	50	46	40	35	43	50	46	40	22	40	55	51	52	66	59	50	44	50	50	42	47	56	44.8
	Minimum....	10	7	34	22	17	17	29	25	24	16	33	3	26	17	22	35	15	7	12	34	30	22	32	41	31	24	23	26	29	15	27	23.7
Vandergrift*.....	Maximum....	32	42	54	50	35	34	33	35	40	52	45	45	37	45	46	42	26	24	38	48	50	50	62	56	39	43	50	48	38	45	58	43.8
	Minimum....	12	10	24	17	18	23	23	24	23	12	30	29	22	16	21	25	10	9	19	30	28	20	28	34	32	28	25	30	23	18	22	22.8
Warren.....	Maximum....	28	43	48	47	31	30	34	35	34	45	38	36	36	40	43	38	38	20	30	40	38	43	46	55	35	37	46	44	34	37	54	38.8
	Minimum....	11	3	34	12	11	20	9	20	21	9	30	24	9	8	15	33	8	8	16	9	19	22	20	35	28	22	24	20	8	21	18.2	
Waynesburg.....	Maximum....	34	42	55	54	35	35	33	32	39	51	42	40	35	43	49	43	41	22	39	53	50	54	64	60	50	43	52	48	41	47	55	44.5
	Minimum....	6	3	35	23	15	15	27	25	22	9	33	27	24	14	18	35	8	6	12	31	28	20	22	40	29	20	19	27	26	13	26	21.2
Weillsboro.....	Maximum....	22	40	45	47	30	28	30	32	28	41	35	36	32	39	46	43	35	21	34	34	40	43	52	41	42	45	42	35	35	52	37.4	
	Minimum....	14	10	31	12	10	22	10	22	13	20	24	9	-4	7	35	10	9	15	11	12	20	15	17	34	31	25	22	22	15	20	17.5	
West Chester.....	Maximum....	35	41	51	49	36	39	33	32	36	46	41	41	39	44	51	53	46	27	37	50	47	51	57	47	47	49	55	52	46	41	58	44.4
	Minimum....	14	22	27	26	16	22	24	24	29	21	33	29	26	21	26	34	18	13	20	26	26	29	27	36	37	29	33	35	30	23	26	25.9
Wilkes-Barre.....	Maximum....	29	41	45	36	34	34	30	35	34	43	34	42	36	42	51	52	40	26	32	41	39	44	53	48	40	45	50	47	40	38	54	40.5
	Minimum....	15	14	27	12	15	19	16	24	25	15	25	12	7	16	33	11	10	19	16	17	22	22	33	32	27	24	27	25	22	21	20.3	
Williamsport.....	Maximum....	30	43	42	45	35	34	32	36	31	45	35	40	44	44	43	41	25	33	41	40	47	50	48	44	48	50	49	43	40	53	41.1	
	Minimum....	16	19	29	19	15	25	18	23	25	8	27	29	17	17	26	14	11	20	21	22	26	22	35	34	30	25	27	28	19	23	22.0	
Williamstown.....	Maximum....	29	36	50	53	32	33	35	30	38	42	44	38	36	39	46	50	44	22	33	45	46	42	58	50	49	44	50	52	48	44	55	42.4
	Minimum....	10	18	30	22	10	19	16	18	23	20	25	28	17	17	24	33	12	5	15	20	24	23	24	35	28	24	27	31	26	15	24	21.4
York.....	Maximum....	37	46	56	53	39	41	37	33	36	49	50	44	40	45	52	52	48	29	38	53	52	58	59	56	52	51	55	55	50	43	61	47.3
	Minimum....	17	19	31	32	19	19	26	24	28	17	32	28	26	13	22	34	21	14	22	24	27	22	21	40	36	25	26	29	25	20	25	24.6

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. ‡ 1:30 a. m. to 1:30 a. m. a, b, c, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	30.06	30.46	6	29.40	3	8.5	26	sw.	16	88	63	82	51
Harrisburg.....	29.99	30.45	7	29.42	9	9.8	35	uw.	18	63	48	56	64
Philadelphia.....	29.97	30.46	7	29.40	9	14.5	38	n.	1	71	52	62	59
Pittsburgh.....	30.04	30.37	22	29.47	3	11.9	34	nw.	16	78	57	63	41
Reading.....	29.98	30.47	7	29.41	9	13.8	46	e.	11	60	41	49	73
Scranton.....	29.96	30.46	7	29.39	9	7.9	32	uw.	18	71	60	58	52

* For any five-minute period
‡ Local Noon.

† Corrected to true velocities.
‡ 4:00 P. M.

RIVER CONDITIONS

Stations	RIVERS	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	3.4	4.6	29†	2.7	3	18
Easton	Delaware	3.6	6.0	30	2.0	2	22
Lehighton	Lehigh	3.5	4.5	29	3.0	8	9
Wilkes-Barre	Susquehanna	6.0	11.0	26	3.2	1	22
Williamsport	Susquehanna	4.0	7.5	26	1.3	3	20
Harrisburg	Susquehanna	5.3	6.5	27	4.3	2	17
Greensboro	Monongahela	12.9	17.7	12	10.7	3	30
Lock No. 4	Monongahela	14.1	18.0	13	11.1	3	30
Pittsburgh	Ohio	*	17.5	26	•	•	25
Midland	Ohio	•	•	•	•	•	30

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER
HARRISBURG, PA.

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No. 4.

GENERAL SUMMARY.

As a result of an unusually warm period in the second decade of April, the monthly mean temperature was above normal for the first time this year. This period, lasting for about two weeks, was exceptional for a prolonged series of high readings so early in the season and culminated in extreme maximum readings at most stations on the 19th or 20th. Minima occurred generally during the first week, although a few stations reported them towards the end of the month. Excesses, ranging from 4° to 12° above station normals, were reported from every station. As a result, only in 1921 has a higher mean temperature for April been obtained in the 54 years of record.

Precipitation occurred frequently during the month, but the average for the State was again below normal. Only five times in the period of record, have smaller amounts been recorded. Only Ridgway reported an excess, all other stations reporting deficiencies ranging up to 3.00 inches. Moderate amounts fell about April 24th, but most of the stations received greatest amounts during the storm of April 4-6th, when more than half of the total precipitation for the month occurred. The only snow and sleet reported fell in the same storm; snow occurring chiefly in the northeast portion of the State, while sleet, in minor quantities, fell at a few stations in the mountains.

Thunderstorms were reported on several days during the month from widely scattered localities. One death resulted from lightning in Erie and minor property damage was caused in some sections. During the period April 16-19th, thunderstorms were general throughout the State, excepting in the western fourth.

High winds were reported from many stations on several days, just after the middle of the month, but no damage was attributed to them. Auroras were reported from several stations during the latter half the month. A feature of the month was the fact that the State had 17 clear days during April, the highest number ever observed for that month in the entire period of record.

Vegetation, which had been retarded by the previous cold, dry weather, responded quickly to higher temperatures and had generally surpassed the normal stage of growth by the end of the month. Frost, occurring toward the end of the month, caused some damage, especially in northern counties.

The rains, during early April, combined with the melting of the small remaining amount of snow to cause some rise in the rivers, but only the North Branch of the Susquehanna River reached flood stages. Comparatively little damage resulted from crests 2 feet above flood stage at Wilkes-Barre and Towanda.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 87 stations, was 55.1°, which is 6.5° above the 54-year normal for April. The highest monthly mean was 60.8°

at Marcus Hook, and the lowest was 49.7° at Mount Pocono. Extremes ranged from a maximum of 94° at Bedford and Greensburg on the 20th, to a minimum of 18° at Kane on the 25th. The greatest daily range in temperature was 54° at Lawrenceville on the 29th.

PRECIPITATION.

The average precipitation from rain, sleet, and melted snow, for the State, as deduced from the observations at 168 stations, was 2.01 inches, which is 1.43 inches below the 54-year average for April. The greatest monthly amount was 3.55 inches at Union City, and the least, 0.75 inch at New Castle. The greatest amount for any 24 consecutive hours was 2.09 inches at Paupack on the 6th.

The average snowfall for the State was a trace, which is 2 1 inches below the 54-year normal. The greatest total snowfall fall for the month was 1.6 inches at Hawley; the greatest 24-hour snowfall was 1.2 inches at Hawley on the 7th.

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation		No of days.		
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy
1888.....	47.2	92	12	2.52	1.3	8	14	10
1889.....	49.7	88	14	4.50	0.9	11	11	8
1890.....	48.6	85	12	3.46	0.4	10	14	8
1891.....	49.8	87	11	2.08	1.2	8	13	9
1892.....	46.9	85	14	2.04	1.1	10	10	10
1893.....	47.7	85	16	4.74	0.6	14	7	10
1894.....	48.0	83	5	3.62	14.7	11	11	8
1895.....	49.2	90	5	3.76	0.2	10	10	8
1896.....	53.0	97	1	1.75	0.9	8	10	10
1897.....	49.0	92	12	3.30	0.3	10	12	9
1898.....	45.6	84	4	2.93	2.5	12	9	8
1899.....	50.2	92	2	1.76	0.5	6	15	9
1900.....	49.2	90	13	1.57	0.9	8	14	8
1901.....	47.2	95	10	5.41	4.9	11	9	5
1902.....	48.0	91	20	3.56	3.0	9	8	10
1903.....	48.8	90	12	3.53	T.	10	11	7
1904.....	44.7	86	9	3.45	1.0	13	8	8
1905.....	48.4	84	16	2.84	2.8	12	9	11
1906.....	50.0	89	12	3.13	0.6	9	14	8
1907.....	43.6	84	8	2.64	4.0	11	10	7
1908.....	49.8	89	0	3.51	1.0	12	12	8
1909.....	48.5	87	8	5.39	2.6	13	10	9
1910.....	52.6	89	13	5.07	0.6	13	10	9
1911.....	46.2	84	6	3.79	4.4	13	11	7
1912.....	50.2	83	18	4.39	1.6	15	10	7
1913.....	50.6	90	17	3.82	0.2	11	12	6
1914.....	47.3	93	5	4.66	1.1	14	10	8
1915.....	53.9	98	15	1.92	1.6	8	13	10
1916.....	48.0	87	16	3.65	5.6	14	9	9
1917.....	48.5	87	14	2.68	2.6	9	11	10
1918.....	48.2	81	12	4.53	10.8	14	10	9
1919.....	48.5	90	6	2.70	1.2	11	10	10
1920.....	46.0	87	8	4.39	3.0	16	9	9
1921.....	55.3	96	10	3.11	0.8	11	13	7
1922.....	50.1	91	11	3.17	0.4	12	12	9
1923.....	48.3	89	-5	2.94	1.9	9	14	8
1924.....	46.5	82	6	4.15	7.4	12	13	7
1925.....	51.3	96	9	2.32	0.5	10	15	7
1926.....	44.9	84	9	2.03	0.9	9	12	9
1927.....	47.7	92	17	3.52	1.0	13	12	7
1928.....	46.0	88	11	5.50	6.5	13	12	8
1929.....	51.4	94	19	6.12	1.1	15	9	8
1930.....	48.2	92	9	2.71	1.1	10	11	8
1931.....	48.4	85	16	3.33	2.3	10	14	6
1932.....	47.0	86	14	1.71	1.2	8	14	6
1933.....	50.9	89	15	4.49	0.5	13	12	8
1934.....	48.9	86	14	3.06	0.6	11	13	8
1935.....	47.1	91	12	2.56	2.9	11	11	7
1936.....	46.1	90	14	3.01	1.3	14	8	8
1937.....	47.7	89	19	5.53	0.2	14	9	8
1938.....	51.3	92	11	2.85	3.5	10	13	7
1939.....	46.7	90	9	3.70	1.0	15	7	9
1940.....	45.1	82	9	5.30	2.3	12	9	7
1941.....	55.1	94	18	2.01	T.	6	17	7
Period	48.6	98	-5	3.44	2.1	11	11	8

Climatological Data for April, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy			Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	260	29	55.9	+7.5	91	20	29	8	43	1.84	-1.87	0.68	0	6	19	9	2	ne.	John A. Frick.
	Altoona.....	Blair.....	1,615	54	54.3	+6.6	91	20	26	3	43	2.25	-1.27	1.44	0	7	23	6	1	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	330	21	57.8	+7.8	93	19	30	7	44	3.34	-0.49	1.84	T.	7	16	8	6	.....	H. L. Balderson.
	Arendtsville.....	Adams.....	710	19	56.6	+7.4	91	20	32	34	40	2.35	-1.20	1.30	0	7	22	5	3	sw.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,100	9	57.4	.....	94	20	28	25	45	1.82	.....	1.00	0	5	19	5	6	.....	Charles C. Lee.
	Bethlehem.....	Northampton.....	450	55	58.8	+7.6	91	20	34	34	38	1.94	-1.56	0.68	0	5	21	1	5	nw.	Lehigh University
	Bloomsburg(near).....	Columbia.....	560	15	53.0	.....	87	14†	21	7	43	1.31	.....	0.68	0	3	15	14	1	nw.	Benj. F. Connor.
	Carlisle.....	Cumberland.....	473	72	58.0	+6.1	92	20	29	8	45	2.09	-1.27	1.04	0	5	22	2	6	sw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	600	44	57.8	+7.6	91	20	30	74	44	2.45	-0.79	1.18	0	6	17	9	4	ne.	William B. Spear.
	Clearfield.....	Clearfield.....	1,260	40	53.4	+5.9	91	20	22	34	50	1.96	-1.63	0.98	0	9	19	4	7	e.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	431	54	56.0	+5.7	89	20	30	8	37	2.31	-1.45	1.33	0	3	16	6	8	nw.	Howard L. Lyle.
	Colebrook.....	Lebanon.....	630	29	55.6	+7.1	90	20	27	8	37	1.43	-2.27	0.64	0	7	20	3	7	n.	Wm. A. Rorer.
	Emporium.....	Cameron.....	1,050	56	52.8	+6.2	91	20	22	34	48	2.64	-1.05	1.15	0	6	17	0	13	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	365	44	57.6	+7.4	93	20	30	8	42	1.38	-1.82	0.56	0	5	17	7	6	w.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,900	38	52.8	+8.6	86	20	25	22	37	2.02	-2.56	1.10	0	5	11	3	16	w.	Andrew B. Evansha.
	George School.....	Bucks.....	160	35	56.8	+6.7	90	14†	30	34	41	3.18	-0.44	1.14	0	6	10	14	6	nw.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	68	57.0	+6.2	84	15†	30	9	38	2.52	-1.11	1.90	0	8	24	0	6	s.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	900	37	53.8	+6.3	89	20	23	8	47	1.85	-2.35	0.77	0	6	24	0	6	e.	Miss Sallie M. Johnson.
	Goldsboro.....	Wayne.....	1,890	26	53.8	+6.2	89	19†	32	8	35	2.27	-1.06	1.36	0	5	22	3	5	s.	Steward W. Ellenberger.
	Hanover.....	York.....	600	37	58.5	+6.2	89	19†	32	8	35	2.27	-1.06	1.36	0	5	22	3	5	s.	Thomas Y. Cooper.
	Harrisburg.....	Dauphin.....	337	72	58.2	+7.3	92	20	32	8	37	1.76	-0.93	1.24	0	7	14	5	11	w.	U. S. Weather Bureau.
	Hawley.....	Wayne.....	900	23	52.1	+6.9	91	20	21	8	48	2.49	-0.73	1.42	1.6	8	21	7	2	w.	Mrs. Della M. Pennell.
	Holtwood.....	Lancaster.....	200	26	57.4	+6.3	91	20	36	8	34	1.95	-0.89	0.53	0	6	20	5	5	nw.	Penna. Water & Power Co.
	Huntingdon.....	Huntingdon.....	700	54	55.4	+6.1	92	20	23	3	50	2.29	-1.20	1.15	0	7	18	7	5	w.	Prof. Paul R. Yoder.
	Kyertown.....	Clearfield.....	1,700	12	52.9	+8.4	88	20	25	3	39	1.78	-1.26	0.73	0	9	8	13	9	ne.	U. S. Weather Bureau.
Lancaster.....	Lancaster.....	280	54	56.6	+7.4	92	20	26	8	47	1.97	-1.29	0.74	0	5	23	2	5	sw.	Supt. of Water Works	
Lawrenceville.....	Tioga.....	996	44	50.0	+4.1	90	20	19	8	54	2.77	-0.21	1.32	0	6	15	13	2	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	169	57	56.6	+6.4	91	20	29	8	49	1.55	-1.94	0.46	0	6	22	4	4	sw.	Lebanon Valley Gas	
Lewistown.....	Mifflin.....	480	3	57.6	.....	91	20	29	7	44	1.69	-1.03	0.72	0	6	16	7	7	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	554	51	55.4	+5.1	92	20	25	8	45	1.66	-1.92	0.72	0	5	19	6	5	nw.	E. A. McGill.	
Marcus Hook.....	Delaware.....	50	15	60.3	+5.9	92	15	34	3	36	3.20	-0.56	1.30	0	5	25	1	4	sw.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,656	36	53.8	+6.2	89	19†	32	8	35	2.27	-1.06	1.36	0	5	22	3	5	s.	Harry S. Fancher.	
Mt. Pocono.....	Monroe.....	1,740	35	49.7	+7.6	85	20	25	34	46	2.51	-1.13	1.60	T.	7	19	5	6	nw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	864	29	50.7	+4.2	85	14	22	8	46	3.50	-0.36	1.83	0	8	18	8	4	w.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	80	52	56.2	+7.1	90	14	29	8	47	2.33	-1.42	0.80	0	6	21	3	6	w.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	3	55.2	.....	92	20	25	8	46	2.11	-1.21	0.90	0	5	17	9	4	sw.	J. Earl Sheaffer.	
Palmerton.....	Carbon.....	420	23	56.3	+9.2	91	20	29	8	43	1.58	-1.66	0.62	0	8	20	7	3	ne.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	70	59.2	+7.1	90	20	37	3	37	2.48	-0.57	1.15	0	6	16	8	6	n.	U. S. Weather Bureau	
Phila. Navy Yard.....	Philadelphia.....	20	25	58.8	+7.5	92*	20	36	3	36*	2.36	-0.94	1.05	0	6	16	3	11	e.	Navy Aerological Office	
Phoenixville.....	Chester.....	100	31	57.0	+5.4	91	14	28	8	41	2.29	-1.23	0.89	0	4	23	3	4	w.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	430	3	55.4	+5.9	88	14†	26	8	40	1.72	-2.42	0.79	0	5	23	3	4	s.	E. E. Rarick.	
Quakertown.....	Bucks.....	480	56	54.6	+6.2	88	14†	27	8	42	2.44	-1.62	0.89	0	5	21	5	4	nw.	John E. Benner.	
Reading.....	Berks.....	273	71	58.4	+7.7	91	20	35	8	32	1.88	-1.39	0.93	0	6	15	8	7	nw.	U. S. Weather Bureau	
Scranton.....	Lackawanna.....	746	47	55.0	+6.9	91	20	31	9	34	1.52	-1.25	0.75	T.	9	17	7	6	n.	U. S. Weather Bureau	
Selinsgrove.....	Snyder.....	420	51	55.2	+5.8	88	20	26	8	42	2.21	-1.46	1.45	0	6	14	11	5	n.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	45	57.0	+5.2	90	20	32	7	51	2.74	-0.59	1.41	0	6	12	10	8	nw.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	8	57.0	.....	91	20	30	8	38	1.76	-1.11	0.73	0	6	14	9	7	sw.	State Teachers College	
State College.....	Centre.....	1,217	57	55.3	+7.9	89	20	29	3	38	1.85	-1.75	0.73	0	9	10	14	6	e.	Penna. State College.	
Towanda.....	Bradford.....	754	47	52.7	+6.4	90	20	25	8	47	2.82	-0.27	1.49	T.	8	16	11	3	ne.	Mrs. M. Ordella Parks.	
Wellsville.....	Tioga.....	1,319	71	51.2	+6.7	89	20	21	8	46	1.94	-1.12	0.72	0	6	27	2	1	nw.	George W. Hill.	
West Chester.....	Chester.....	440	92	56.8	+7.0	90	20	32	3	38	2.36	-1.38	0.90	0	6	23	2	5	s.	Harlan Saylor.	
Wilkes-Barre(Airport).....	Luzerne.....	544	3	54.4	.....	92	20	28	8	41	1.46	-1.47	0.55	0	10	10	12	4	sw.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	542	55	53.2	+4.3	90*	20	26*	8	44*	3.05	-0.59	1.33	0	5	16	13	1	w.	John D. McEwan.	
Williamstown.....	Dauphin.....	1,275	26	55.5	+6.2	83	14†	29	34	43	1.76	-1.72	0.94	0	5	21	4	5	sw.	Susquehanna Collieries Co.	
York.....	York.....	400	53	56.6	+5.7	93	20	27	8	45	2.50	-0.69	1.55	0	5	22	3	5	nw.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	51	49.9	+5.2	85	19†	21	3	50	1.90	-1.00	0.83	0	9	10*	7*	12*	.....	Frank S. Fawcett.
	Butler.....	Butler.....	1,077	28	55.3	+7.5	87	20†	21	3	46	1.37	-2.00	1.10	0	4	22	7	1	s.	William C. Faust.
	Claysville.....	Washington.....	1,150	36	54.4	+3.9	87	19	23	3	46	1.24	-2.15	0.35	0	8	20	4	6	s.	J. L. Melvin.
	Corry.....	Erie.....	1,430	28	51.2	+6.7	88	13†	22	21	44	2.21	-1.41	0.87	0	6	18	7	5	nw.	Pennsylvania Electric Co.
	Coudersport.....	Potter.....	1,665	14	56.0	+12.2	85	20	33	22	32	2.33	-1.26	0.99	0	10	16	7	7	nw.	Philip R. Shaw.
	Derry.....	Westmoreland.....	1,172	44	56.4	+7.0	88	20	24	3	43	2.21	-1.52	1.42	0	7	14	12	4	w.	N. Dixie Wineman.
	Donora.....	Washington.....	1,762	15	58.0	+6.6	89	19	30	3	42	1.94	-1.78	0.72	0	5	12	11	7	nw.	Donora Zinc Works.
	Ebensburg.....	Cambria.....	2,160	24	52.3	+7.4	87	20	22	3	44	1.93	-1.27	1.33	0	5	15	8	7	se.	Robt. A. Wasser.
	Franklin.....	Venango.....	987	67	52.2	+6.3	85	19	24	3	46	1.53	-1.97	0.58	0	7	18	4	8	n.	</

Daily Precipitation for April, 1941																																		
Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh		.22			.08	.68	.16										.07														1.84		
Altosna	Juniata				T.	1.41	.09											.14	.22	.12		.04	.07	T.	.63							2.25		
Ansonia ²	W. Br. Susq.	.03				.75	.41													.99	T.	.02	.05									2.48		
Ardmore ²	Lower Del.	.36	.21			1.84	.11											T.						.08								3.34		
Arendtsville ²	Lower Susq.		.15			1.30	.47	.02										.06			.01	T.			.34			.02					2.35	
Baker's Summit	Juniata					1.08	.05											.13	.07						.42							1.65		
Bald Eagle I.	Middle Susq.			.23		1.01	.05																.08		.30								1.67	
Bedford ²	Juniata					1.00	.40											.05			.07				.30							1.82		
Belleville	W. Br. Susq.																																2.16	
Berwindale ¹	W. Br. Susq.				.57	.80	.02											.07			.50				.20								1.94	
Bethlehem	Lehigh		.21			.43	.55												.07							.68								
Bloomsburg	Susquehanna	T.				.68	.42											T.		T.					.21								1.31	
Blossville	Lower Susq.	T.	.05			1.10	.03	T.										.39						T.	.44								2.01	
Buffalo Mills ²	Potomac					1.17	.25											.07							.27								1.76	
Carlisle	Lower Susq.	T.	.04			1.04	.19											.50			T.				.32			T.					2.09	
Carter Camp	W. Br. Susq.				.15													.03	.04	.61				.07									1.52	
Centre Hall	Susquehanna	T.				.15												.05	.05		.24				.35								\$	
Chambersburg ²	Potomac	T.	.04			1.18	.42											.34		.19					.28			T.					2.45	
Clearfield ²	W. Br. Susq.		.03			.98	.40	.03										.05		.09			.06	.04		.28							1.96	
Coatesville	Lower Del.		.34			1.33												T.							.60								2.31	
Colebrook	Lower Susq.		.06	.22		.64	.09																	.06	.33		.03						1.43	
Conshohocken	Schuylkill		.05	.41		.91	.30																		.63								2.36	
Covington ²	N. Br. Susq.		.05			.65	.75											.05		.65			.10		.12								2.37	
Doylestown	Lower Del.	T.	.39			.87	.28																		.55				.02				2.11	
Driftwood	W. Br. Susq.				.40	.82												.13	.02	.58	.61		.02		.17	.01							2.76	
Du Bois	W. Br. Susq.		.02			1.18	.13											T.	.06	.06	.15		T.	.08	T.	.32		T.					2.00	
East Waterford ¹¹¹²	Juniata	T.	T.			.87	.94	.05										.08		.03					.31								2.28	
Emporium ²	W. Br. Susq.	T.				1.04	.09											.04	*	*	1.15	*		.05	.20								2.64	
English Center	W. Br. Susq.				.02	1.05	.14												*	*	*	*	.93										\$	
Ephrata	Lower Susq.		.06	.35		.56	.05											T.							.36								1.38	
Fredericksburg ²	Schuylkill		.31			.30	1.04	.15										.20							.62				.04				2.66	
Freeland ²	Lehigh					.07	1.10											.45		T.			.05		.35			T.					2.02	
Galeton	N. Br. Susq.		.02			1.12	.10											.15	.04	.70	T.		.02		.01				T.				2.16	
George School	Lower Del.		.05	.47		.81	1.14																		.68				.03				3.18	
Gettysburg	Potomac		.04	.25		1.90	.03											.01		.03	.04			T.	.22								2.52	
Gordon	Lower Susq.		.04			.77	.23											.32							.42			.07					1.85	
Gouldsboro ²	Lehigh																																	
Graterford	Schuylkill		.03	.46		.82	.17																		.56								2.04	
Haover	Lower Susq.		.04	.58		1.36	.07											T.		T.	T.			T.	.22								2.27	
Harrisburg ³¹	Lower Susq.		.08	.04	T.	1.24	.06											.08		T.					.20			T.					1.76	
Hawley ²	Upper Del.	T.	.04			1.42	.22											.24		.04			.04		.33								2.49	
Hollisterville ²	Upper Del.		.01	T.		T. 1.15	.20								.16			.25		.07		T.	.03		.02	T.			.01				1.76	
Holtwood ²	Lower Susq.			.53		.45	.48	.03										.48							.42				.04				1.95	
Huntingdon	Juniata					1.15	.10											.33	.15		.15			.30	.11								2.29	
Huntsdale ¹	Lower Susq.		.04	.05		1.41	.10										.10							.35	.05								2.10	
Hydman ²	Potomac	T.	T.			1.48	.22											T.		.33	.02	.03	.02		.18	T.		T.					1.93	
Kylertown ^{5**1}	W. Br. Susq.	T.			.31	.73	.02									T.	T.	.11	T.	.22	.07	.03	.02		.35								1.78	
Lakeville ²	Upper Del.	T.	T.			1.63	.11																		.35								2.52	
Lancaster	Lower Susq.		.01	.78		.78	.06																		.34								1.97	
Lansford ²	Lehigh		.10			.14	*	1.41										.20		.14	.20				.45								2.30	
Laurelton ³¹	Lower Susq.					1.03	.08											.07	.01	.07	.20		.02		.23	.08							1.79	
Lawrenceville	N. Br. Susq.					1.32	.25											.10	T.	.65			.35		.10								2.77	
Lebanon ²	Lower Susq.		.18			.35	.46	.07										.04							.45								1.55	
Lehighton ²	Lehigh		.04			.12	.82	T.										.04	.04				T.		.40				T.				1.42	
Lewistown	Middle Susq.					1.03	.08											.03	.01	.12				T.	.42								1.69	
Lock Haven ²	W. Br. Susq.					.63	.10											T.		.72			.01		.20								1.66	
Mapleton Depot ²	Juniata	T.	*			.69	.61											.13		.12					.41								1.96	
Marcus Hook	Lower Del.		.62			* 1.84																			.74			T.					3.20	
Martinsburg ¹	Juniata				.29	.31	.06																											

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Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Scranton ¹	N. Br. Susq.	.03	T.			.53	.32				T.				.01		T.	.14	T.	.13		.07		.24	.05								1.52	
Selinsgrove	Lower Susq.	.02				1.45	.12											.24		.04					.34								2.21	
Sellersville ¹	Lower Del.	.39	.07			.94	.13																		.32								2.12	
Shade Gap ¹	Middle Susq.			.08	1.41	.03												.10							.35								2.02	
Shawmont	Schuylkill	.01	.42			1.41	.22																		.67								2.71	
Shippensburg	Lower Susq.	T.	.11			1.11	.05											T.	.15		.04				.30								1.76	
South Mountain ²	Potomac		.15			.95	.57	.02										.03		.15	.29				.31								2.47	
State College ³	W. Br. Susq.				.19	.73	.03											.24		.15	.23	T.	.02		.25	.01							1.85	
Sunbury ²	Lower Susq.	.02				.23	1.35	.05										.13		.10					.30								2.19	
Susquehanna ²	N. Br. Susq.	.01				.80	.02								.19			.06		.17				.11	.11								1.48	
Towanda	N. Br. Susq.	.03				1.49	.40				T.				T.			.13	T.	.46	.03	T.	.08	T.	.20								2.82	
Wellsboro ²	N. Br. Susq.	.03				.46	.51	T.										.14		.72		T.	T.		.08								1.91	
Wernersville ² [ur]	Schuylkill		.24			.04	.55	.18										T.		T.					.30								1.51	
West Chester	Lower Del.	.15	.39			.90	.15											T.							.73								2.36	
Westgrove ²	Lower Del.		.66			.29	.48	.02																T.	1.00								2.45	
Wilkes-Barre ^{5**}	N. Br. Susq.	.02	T.			.55	.29											T.	.04	.12	.03	.08		.01	.26	.06							1.46	
Wilkes-Barre ²	N. Br. Susq.																																	
Williamsport ²	W. Br. Susq.	.02				.35	1.33	.06										.10		.84	T.			.05	.26								3.05	
Williamstown	Lower Susq.	T.	.08			.91	.27											.06							.41								1.76	
York	Lower Susq.	.02	.61			1.55	.08																		.24								2.50	
York Haven ²	Lower Susq.	.33				.36	.47	.03																	.32								1.51	
Zionsville (near)	Schuylkill		.52			.47	.51																		.42								1.92	
Trenton, N. J. ¹	Lower Del.	.26	.08			.85	.28											T.		T.				.17	.39								2.03	
Ohio Drainage																																		
Acmetonia ²	Allegheny	T.				1.11	.27											.02				.01	.01	.22									1.64	
Beaver Falls ²	Beaver	T.				.43	.26											T.	.01		.05		.05	.05	.05								0.50	
Blairsville ²	Allegheny	.01				1.37	.23	T.															.07	.03	.66								2.37	
Bradford	Allegheny	.10				.63													.05	T.	.80		.13	.24									1.95	
Brookville ²	Allegheny	.05				.83	.28											.01	.14		.18		.12	.09	.20								1.90	
Bucktown ¹	Allegheny	.04	.01		1.07	.98	.08											.01		.12					.26	.01								2.61
Butler	Ohio	T.				1.10												T.	T.	T.	.10				.05	.12							1.37	
Clarion ²	Allegheny	.01				.48	.46											.01	.01	.10	.08		.09	.06	.08								1.28	
Claysville	Ohio				.35	.23	.06												.02			.06		.03	.14	.35							1.24	
Confluence ²	Youghiogheny	T.				1.58	.09	T.											.02			.06				.48							2.15	
Connellsville ²	Monongahela	T.	T.			1.31	.20												.01				T.		.59								2.11	
Coraopolis ²	Ohio					1.00	.09	T.										.01	.02				T.	.01	.20								1.33	
Corry ²	Allegheny	.25				.42	.15												T.		.87		.30	.22									2.21	
Coudersport	Allegheny	.06				.99	.02											.14	.04	.85		.02	.12		.08								2.33	
Derry	Conemaugh				.08	1.42	.02												T.			.04	.03	.38	.24								2.21	
Donora ³	Monongahela				.72	.67	T.														.02	.01		.62									1.94	
Dunlot	Allegheny				.50	1.01	.03	.03											.05		.01				.52	.04							1.93	
Ebensburg	Conemaugh				1.33	.08													T.	T.	.38		.08	T.	.23	.05							1.93	
Franklin ²	Allegheny	.08				.37	.58												T.	.02	T.	.23		.11	.14								1.54	
Greensboro ²	Monongahela	T.	T.	T.		1.04	.15	.04											.02				.01		.66								1.92	
Greensburg	Youghiogheny				.37	1.36																	T.	T.	.07	.02								1.82
Grove City	Beaver				.37	.54	.27												T.	.10			.08	.01	.01	.40							1.91	
Irwin	Monongahela				.08	1.61	.02												T.	T.	.01		T.		.09	.40							2.21	
Johnstown	Conemaugh	.05			.20	1.39	.08												T.		.03	.02	.03		.06	.27							2.13	
Kane Airway Sta**	Allegheny				.16	.88	.04										.11		.32			.12	.15		.04								1.82	
Lake Lynn ²	Monongahela																																	
Lock No. 4 ²	Monongahela	T.				1.08	.27																.03	T.	.56								1.94	
Lock No. 5 ²	Allegheny	T.				.99	.36												T.	T.		.03	T.	.03	.25								1.66	
Lycippus	Conemaugh				.12	1.85	.04													T.				T.	.06	.43							2.53	
Marienville	Allegheny	.03			.28	.84	.01													1.31		.13	.10		.16								2.86	
McKeesport ²	Monongahela				1.10	.03																	T.	T.	.05								1.18	
Meadville ²	Allegheny	.21				.29	.29												T.	.06	.20	.80		.06	.15								2.06	
Mercer ¹	Ohio	.01			.19	.44												.11		.12		.22	.12										1.21	
Mercer ² *	Ohio				.15	.48													T.	.01	.18		.24	.10	T.	.10							1.16	
Midland	Ohio				.32	.25	T.												.05	.08		.13	.01	.02	.01	.10							0.97	
Mosgrove ²	Allegheny	.04				.																												

Daily Temperatures for April, 1941

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	Maximum... 56	53	60	58	43	17	63	62	66	69	69	71	82	83	80	79	75	74	83	91	78	68	65	57	61	68	76	82	81	...	68.3	
	Minimum... 34	31	26	34	37	35	29	28	30	35	37	38	39	62	63	53	54	43	51	59	42	33	34	30	30	36	40	44	46	...	40.3	
Bedford	Maximum... 53	55	61	63	50	48	64	65	68	71	73	74	84	83	85	84	79	82	89	94	86	64	65	66	62	63	72	83	83	...	70.8	
	Minimum... 44	40	46	40	40	40	40	39	38	40	55	37	39	55	68	55	55	16	52	55	47	39	38	45	28	42	40	34	46	40	...	41.1
Bethlehem	Maximum... 60	60	63	63	60	53	63	68	70	71	75	72	70	88	87	84	80	82	86	91	90	66	64	64	62	62	66	79	81	89	...	72.2
	Minimum... 43	38	34	38	39	39	35	34	40	45	40	40	40	56	60	61	51	52	56	59	52	49	38	43	36	43	42	51	52	58	...	45.3
Bloomsburg	Maximum... 60	50	60	64	60	54	59	63	66	72	75	71	76	87	85	75	83	80	83	86	87	60	67	69	63	65	68	72	72	70	...	69.4
	Minimum... 35	28	30	29	37	39	21	23	25	31	32	36	35	50	43	52	52	38	52	51	49	34	31	45	24	29	35	33	36	...	36.6	
Brookville	Maximum... 55	50	63	62	41	51	64	65	70	73	75	77	82	81	79	75	75	85	85	59	56	68	54	62	65	62	77	80	79	...	68.8	
	Minimum... 24	22	21	26	38	36	23	26	28	30	31	33	40	38	41	45	32	41	51	42	28	25	31	23	34	25	27	32	32	...	34.6	
Butler	Maximum... 55	54	61	64	63	61	65	69	73	76	78	80	84	83	81	80	77	86	86	87	87	62	68	67	69	71	71	79	82	...	72.9	
	Minimum... 36	28	21	42	42	28	35	29	30	34	38	34	38	45	54	55	55	42	52	50	42	37	28	38	26	35	35	28	36	37	...	37.7
Carlisle	Maximum... 57	60	67	63	55	50	67	66	70	70	77	74	78	90	90	84	85	81	90	92	88	71	68	61	64	68	73	80	85	87	...	73.8
	Minimum... 36	38	33	36	40	40	31	29	30	36	36	42	40	56	51	60	56	52	54	58	52	38	36	45	30	43	42	41	40	43	...	42.2
Chambersburg	Maximum... 57	60	66	60	50	54	67	67	71	73	74	73	77	87	88	81	83	83	88	91	89	65	63	63	65	69	73	82	83	87	...	72.7
	Minimum... 39	37	32	37	41	11	30	30	31	39	38	43	39	54	56	60	56	50	56	57	52	38	38	47	32	47	39	38	41	45	...	42.8
Claysville	Maximum... 57	55	65	63	53	53	62	66	72	72	74	78	83	83	81	81	81	82	87	85	63	61	65	54	60	65	68	75	81	82	...	70.3
	Minimum... 36	28	23	43	40	39	27	32	31	37	40	35	42	56	54	51	47	54	61	44	26	29	36	28	30	27	30	35	39	...	38.5	
Clearfield	Maximum... 59	54	64	65	51	52	66	67	71	76	76	78	85	84	81	80	79	89	91	62	60	68	59	66	70	80	84	83	...	71.5		
	Minimum... 31	26	22	31	37	35	22	24	26	31	32	35	35	55	43	50	48	37	52	55	42	30	29	42	21	38	28	30	34	35	...	35.3
Coatesville	Maximum... 58	54	58	62	54	49	61	61	66	67	71	65	75	88	85	81	84	82	86	89	75	69	65	61	62	61	68	76	80	84	...	69.9
	Minimum... 37	37	31	36	38	40	34	30	32	38	34	39	40	51	57	60	52	53	51	54	55	40	36	43	31	40	37	46	46	49	...	42.2
Corry	Maximum... 50	15	60	63	44	56	60	63	68	72	73	79	83	81	76	77	77	68	75	83	81	58	54	61	51	64	62	66	73	79	...	66.7
	Minimum... 33	22	22	32	37	36	25	26	29	33	38	35	40	56	55	45	49	34	46	59	38	27	29	34	25	33	28	31	35	37	...	35.6
Coudersport	Maximum... 51	49	61	63	54	56	60	64	70	72	73	77	82	77	78	73	76	68	81	85	76	56	66	56	60	63	66	77	81	78	...	68.1
	Minimum... 36	28	36	37	38	35	39	45	16	47	45	56	54	51	41	50	42	56	60	44	33	40	40	34	38	40	50	55	52	...	43.9	
Donora	Maximum... 58	56	67	65	53	50	67	69	73	72	77	82	87	86	81	83	78	85	89	88	65	58	65	50	40	62	67	76	76	84	...	71.8
	Minimum... 36	35	30	45	45	42	35	38	37	42	45	45	47	60	54	59	58	52	60	54	44	34	40	45	37	41	37	40	42	46	...	44.2
Ebensburg	Maximum... 55	52	58	57	43	44	60	60	67	68	70	77	81	81	79	79	73	79	84	87	76	55	64	53	57	62	64	72	79	78	...	67.1
	Minimum... 32	28	22	42	35	32	26	27	34	35	36	37	38	59	52	48	38	52	58	37	31	34	40	26	36	29	38	35	38	...	37.5	
Emporium	Maximum... 55	50	63	63	59	54	62	65	69	72	74	75	84	81	81	81	76	70	84	91	84	68	62	57	64	65	66	77	81	81	...	70.4
	Minimum... 35	26	22	31	37	36	26	22	24	30	30	36	48	52	41	46	50	35	41	51	52	29	26	41	24	37	27	29	34	35	...	35.1
Ephrata	Maximum... 56	58	64	65	53	51	67	66	70	72	75	70	75	89	86	83	85	84	90	93	83	65	66	62	67	62	72	80	85	87	...	72.7
	Minimum... 40	38	32	36	40	41	32	30	32	38	37	42	37	49	51	58	59	52	53	56	55	40	37	45	32	43	37	44	43	45	...	42.5
Erie	Maximum... 45	43	46	60	46	46	52	51	53	56	55	65	60	73	70	66	61	77	83	82	50	47	58	48	51	57	60	64	73	74	...	59.7
	Minimum... 31	28	31	36	35	35	32	34	36	37	38	39	56	65	54	47	44	44	59	46	39	35	40	38	36	38	40	43	52	51	...	41.3
Franklin	Maximum... 52	51	64	62	46	55	63	68	72	75	76	79	84	79	79	78	74	79	85	83	61	56	64	54	63	64	65	75	80	80	...	68.9
	Minimum... 29	26	24	25	39	39	27	27	29	32	35	38	38	43	51	51	52	40	42	52	44	32	30	31	28	30	31	34	39	...	35.6	
Freeland	Maximum... 56	46	54	58	50	51	53	58	64	67	69	64	69	81	80	70	76	79	82	86	79	55	58	50	63	59	61	74	78	78	...	65.6
	Minimum... 40	27	26	32	32	33	29	30	35	38	40	40	36	56	61	52	52	43	55	60	42	25	26	40	29	37	37	42	52	56	...	40.1
George School	Maximum... 59	58	61	62	49	53	63	64	66	67	70	64	70	90	86	84	84	82	87	90	86	70	65	60	61	64	69	78	79	86	...	70.9
	Minimum... 39	38	30	37	40	40	32	30	35	41	35	39	38	50	55	56	54	53	49	55	58	41	38	45	33	41	42	46	46	45	...	42.7
Gettysburg	Maximum... 64	59	62	61	57	51	64	64	68	68	73	72	75	82	81	84	78	78	82	83	83	59	59	58	59	62	68	75	78	82	...	69.7
	Minimum... 39	38	32	36	40	41	33	31	30	38	40	43	39	55	68	59	56	64	55	70	52	37	35	47	33	42	42	42	45	46	...	44.3
Gordon	Maximum... 60	53	60	61	56	52	58	62	67	70	71	68	72	86	84	81	80	80	87	89	83	61	61	57	62	61	65	77	83	81	...	69.6
	Minimum... 35	32	28	32	37	38	26	23	25	33	30	41	33	48	44	55	54	43	53	59	49	36	30	43	29	40	33	40	36	38	...	38.1
Greensburg	Maximum... 59	56	69	62	53	50	65	68	73	74	76	79	85	85	81	82	79	84	92	94	70	60	67	57	63	67	68	75	82	82	...	71.9
	Minimum... 39	32	27	27	41	39	31	35	37	45	43	42	44	57	56	58	55	49	61	67	44	35	38	38	32	43	32	36	41	44	...	42.3
Grove City	Maximum... 52	52	56	60	56	51	66	68	73	76	77	80	82	80	76	77	77	72	83	81	64	58	64	55	61	64	66	75	79	80	...	68.7
	Minimum... 38	28	28	41	40	38	34	33	38	39	45	47	51	61	58	52	52	47	61	60	41	33	35	36	31	35	38	42	48	...	42.1	
Harrisburg	Maximum... 56	55	64	61	46	50	62	65	68	70	76	72	77	89	87	81	83	84	91	92	71	64	65	60	64	65	69	80	85	85	...	71.2

Daily Temperatures for April, 1941—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum.....	56	56	60	60	65	50	60	62	63	66	70	70	68	88	87	85	81	82	85	88	88	70	60	59	60	60	66	77	80	83	....	70.2
	Minimum.....	38	37	32	32	38	40	31	26	28	39	33	41	35	49	47	59	57	47	55	58	51	38	31	46	36	40	37	39	41	44	40.6	
Quakertown.....	Maximum.....	58	53	59	59	58	52	60	61	64	66	71	64	68	88	85	81	82	80	85	85	85	66	63	61	60	57	67	75	79	82	....	69.2
	Minimum.....	36	36	30	32	37	39	28	27	28	39	32	37	38	46	49	57	54	50	50	52	55	38	31	42	32	40	35	49	40	42	....	40.0
Reading*.....	Maximum.....	58	56	61	62	48	51	64	64	67	69	73	67	72	90	86	80	83	82	89	91	72	61	64	62	62	59	68	78	81	84	....	70.1
	Minimum.....	43	39	35	39	42	42	38	35	37	45	42	43	43	58	59	65	59	57	59	63	52	43	39	43	38	44	42	50	49	54	....	46.6
Retreat.....	Maximum.....	50	47	49	59	59	59	54	53	61	65	63	66	71	71	79	79	76	69	81	83	83	63	58	58	48	51	60	72	74	79	....	64.8
	Minimum.....	35	31	26	29	37	37	27	25	27	35	34	34	38	51	42	51	52	41	54	57	51	35	31	45	29	36	40	38	41	66	....	39.2
Ridgway†.....	Maximum.....	53	50	61	64	44	52	61	64	70	73	74	78	84	82	78	78	75	74	85	84	60	57	68	53	65	65	67	79	81	81	....	68.7
	Minimum.....	19	20	19	26	36	35	20	22	23	28	30	31	34	36	39	46	49	44	36	54	44	28	25	37	22	32	24	26	31	33	....	31.3
Scranton*.....	Maximum.....	57	47	55	64	45	56	55	59	64	68	70	70	74	81	83	67	81	80	87	91	70	53	61	52	65	61	63	75	81	80	....	67.3
	Minimum.....	39	33	32	32	36	38	34	31	31	42	40	43	43	57	53	55	56	46	58	63	43	36	34	38	34	41	47	49	47	48	....	42.7
Selinsgrove.....	Maximum.....	56	55	61	62	57	52	61	61	60	71	72	72	71	87	83	81	80	78	83	88	85	64	62	59	64	69	70	79	81	82	....	70.3
	Minimum.....	33	34	30	36	40	39	23	26	29	35	36	36	43	55	46	58	54	46	52	55	49	35	31	45	29	35	36	38	39	43	....	40.0
Somerset.....	Maximum.....	53	49	58	56	44	45	60	60	69	69	71	71	79	76	75	73	72	78	83	87	75	57	65	56	58	59	61	70	79	74	....	65.9
	Minimum.....	30	32	29	35	36	37	27	24	26	31	33	31	35	49	36	48	50	40	45	60	40	34	33	41	24	36	27	25	30	33	....	34.9
Springs.....	Maximum.....	52	48	55	50	41	45	58	61	65	64	67	71	78	78	77	76	71	78	80	86	64	57	58	50	58	58	59	69	76	76	....	64.3
	Minimum.....	33	32	22	36	36	38	28	28	29	33	34	35	35	48	58	58	49	42	48	50	40	32	32	37	24	33	27	29	35	37	....	36.2
State College*.....	Maximum.....	58	53	60	59	44	49	63	62	68	70	72	70	82	83	79	77	76	77	85	89	62	59	63	59	60	63	67	78	82	82	....	68.4
	Minimum.....	38	32	29	34	38	36	32	30	33	36	42	41	44	60	59	58	57	47	58	62	41	34	34	40	30	45	36	43	47	49	....	42.2
Stroudsburg†.....	Maximum.....	62	53	63	64	42	58	59	63	67	69	73	66	72	85	85	78	83	82	88	91	69	58	67	60	68	66	68	78	82	86	....	70.2
	Minimum.....	23	37	30	26	31	37	26	25	26	33	31	31	32	40	47	51	46	41	51	53	55	39	27	31	28	24	31	32	31	41	....	35.2
Towanda.....	Maximum.....	52	49	56	61	51	57	55	60	66	69	70	72	82	80	85	74	81	76	86	90	68	55	65	55	64	64	65	75	84	82	....	68.4
	Minimum.....	34	28	26	26	33	34	28	25	25	33	31	30	43	54	45	46	51	36	50	64	49	32	26	38	28	38	39	39	37	38	....	37.0
Uniontown.....	Maximum.....	60	57	69	62	54	52	66	71	76	73	76	81	86	86	84	83	77	84	91	90	79	63	69	56	67	69	70	74	84	85	....	73.1
	Minimum.....	10	36	27	41	42	41	31	42	49	51	42	41	43	58	58	58	57	49	58	69	41	36	39	43	35	40	33	35	38	42	....	44.0
Vandergrift*.....	Maximum.....	58	57	66	64	50	51	64	67	73	74	76	80	86	87	82	81	80	85	90	88	65	60	58	56	65	65	66	76	81	80	....	70.8
	Minimum.....	39	30	25	25	42	39	30	34	34	39	42	38	42	48	52	57	56	42	58	58	40	36	33	41	33	33	38	31	34	40	....	40.3
Warren.....	Maximum.....	50	48	62	62	49	54	60	66	70	74	75	79	82	79	78	76	71	75	84	84	58	54	63	55	66	66	76	81	80	83	....	68.1
	Minimum.....	35	24	23	36	36	38	25	26	28	33	38	36	39	54	48	46	55	33	52	51	37	30	29	36	25	35	29	32	36	37	....	36.1
Waynesburg.....	Maximum.....	59	56	70	63	53	52	68	72	75	75	74	79	85	81	81	83	77	83	88	88	65	62	63	57	61	66	69	75	83	82	....	71.6
	Minimum.....	36	33	23	44	41	41	30	29	30	40	41	38	41	54	55	55	57	48	53	64	44	30	35	10	29	34	30	34	36	40	....	40.2
Wellsboro.....	Maximum.....	48	46	56	60	53	54	55	58	62	66	72	73	82	78	82	74	79	75	86	89	71	55	66	51	62	61	63	75	82	79	....	67.1
	Minimum.....	35	27	25	26	36	34	24	21	24	29	29	28	40	55	44	43	58	36	53	59	40	31	27	42	25	36	28	33	36	37	....	35.3
West Chester.....	Maximum.....	56	56	59	63	50	48	62	63	67	68	71	66	70	89	86	81	84	81	86	92	68	59	62	60	62	62	68	76	79	83	....	69.2
	Minimum.....	19	39	32	39	40	39	35	33	37	41	40	42	42	51	58	62	53	56	53	53	58	56	41	40	45	35	42	40	48	48	....	44.4
Wilkes-Barre†.....	Maximum.....	60	50	63	63	54	58	56	61	67	69	71	70	76	86	83	70	82	81	88	92	68	56	64	54	68	65	66	77	83	82	....	69.4
	Minimum.....	37	32	30	30	37	36	31	28	28	40	37	39	42	55	47	49	50	42	44	46	42	35	31	33	30	38	42	37	42	44	....	39.3
Williamsport†.....	Maximum.....	59	53	58	50	50	53	57	65	70	72	70	75	86	82	71	82	74	85	96	70	55	66	58	61	67	68	79	74	84	85	....	68.4*
	Minimum.....	37	31	29	32	35	38	28	26	28	34	35	35	39	42	50	55	42	48	51	49	33	32	39	30	27	35	41	42	43	....	38.1*	
Williamstown.....	Maximum.....	55	58	58	59	59	50	61	61	67	69	72	69	79	83	83	82	78	79	88	82	78	65	61	58	63	60	68	73	78	80	....	69.1
	Minimum.....	41	39	29	35	33	35	31	29	35	42	42	39	39	40	63	59	56	19	56	55	46	34	40	29	38	40	45	53	56	....	41.9	
York.....	Maximum.....	60	58	62	63	57	49	64	63	71	70	74	71	77	86	85	82	82	85	99	58	89	70	66	60	63	66	71	79	84	87	....	72.7
	Minimum.....	36	38	28	34	43	42	28	27	30	35	35	43	39	48	48	54	55	49	52	58	53	37	38	46	29	42	35	35	39	43	....	40.6

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. † 1:30 a. m. to 1:30 a. m. *, b, c, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	30.11	30.48	22	29.56	20	7.9	26	sw.	20	74	55	63	74
Harrisburg.....	30.07	30.40	25	29.60	20	7.9	31	s.	20	66	39	48	78
Philadelphia.....	30.07	30.44	12	29.55	5	11.9	35	sw.	20	72	39	53	72
Pittsburgh.....	30.08	30.45	22	29.60	5	9.8	42	nw.	21	66	35	45	66
Reading.....	30.08	30.44	12	29.60	5	10.9	43	nw.	21	63	31	42	82
Scranton.....	30.12	30.39	12	29.59	20	6.9	27	uw.	21	70	44	36†	

* For any five-minute period

† Corrected to true velocities

§ Local Noon

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER
HARRISBURG, PA.

Vol. XLVI.

May, 1941

No. 5.

GENERAL SUMMARY.

Temperatures in May averaged above normal, although the departure was less than in April. The deficiency accumulated during the first three months of the year was finally wiped out and the month closed with a slight surplus. Lowest temperatures occurred about the 3d, although many western and a few northern stations observed their extreme minima about the 12th, when cold weather recurred generally. From then on, temperatures rose until the end of the month, most stations reporting their extreme maxima on the 21st. Scattered stations obtained highest readings in a second period of warm weather which reached its peak about the 28th.

The highest maximum, 102° at Marcus Hook, equalled the record for the month which had been established at Lock Haven in 1895, and had not been reported elsewhere in the period of record for May. Most stations observed temperatures in the 90's, with Ardmore, second only to Marcus Hook, reporting 99°.

The majority of stations had averages ranging up to 4° above their normals. A few, chiefly in the southwest portion of the State, showed deficiencies of as much as 2°. Sectional averages showed little variation, except in the Southeast. Averages derived for the sections were: Plateau, 59°; Lake Erie and the Mountains, each, 60°; Southwest, 61°; and the Southeast, 65°.

For the fifth consecutive month, precipitation was below normal. The accumulated deficiency, since January 1st, for the State now averages almost 7 inches. While rainfall was insufficient, it occurred frequently throughout the month. There was wide variance between the average amounts reported in different sections. However, with the exception of a few stations in the southwest portion of the State, all stations reported amounts below their normals. The Southwest Section had the highest average, 3.40 inches. The Plateau Section averaged 2.28 inches; Lake Erie, 2.04 inches; Mountains, 2.03 inches; and the Southeast, with only half the amount recorded in the Southwest, averaged 1.70 inches.

Much of the precipitation fell during thunderstorms which were frequent throughout the month. Some wind and lightning damage was reported in southwestern counties on the 15th and 16th. Lightning affected power lines at many places. The most general and damaging storms occurred on the 22d and 23d. Lightning killed one man in Westmoreland County and three boys at Conshohocken, Montgomery County. Miscellaneous damage to trees and buildings was reported at various places. Hail was reported by scattered stations and resulted in crop damage in the Lancaster-Lebanon area. Lightning killed live stock at Uniontown on the 23d and at McConnellsburg on the 29th.

Sub-freezing temperatures, about the 3d and again about the 12th, were accompanied by killing frosts at many stations, causing some damage to fruits, particularly in western and northern counties.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 88 stations, was 61.3°, which is 1.7° above the 54-year normal for May. The highest monthly mean was 69.2° at Marcus Hook, and the lowest was 54.8° at Mount Pocono. Extremes ranged from a maximum of 102° at Marcus Hook on the 27th, to a minimum of 21° at Somerset on the 13th. The greatest daily range in temperature was 53° at Hawley on the 26th.

PRECIPITATION.

The average precipitation from rain, sleet, and melted snow, for the State, as deduced from the observations at 172 stations, was 2.25 inches, which is 1.56 inches below the 54-year normal for May. The greatest monthly amount was 6.01 inches at Lycippus, and the least, 0.37 inch at McKeesport. The greatest amount for any 24 consecutive hours was 2.96 inches at Lock No. 5 on the 30th.

Snowfall for the State averaged Trace, which is normal for May.

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	57.3	91	24	4.24	T.	16	4	11	16
1889.....	60.4	96	25	5.91	0	11	11	9	11
1890.....	58.5	89	23	6.71	0	15	7	11	13
1891.....	57.3	93	20	2.12	0.2	8	10	10	11
1892.....	58.5	91	28	5.70	0	16	7	10	14
1893.....	57.9	93	26	5.54	0	12	11	8	12
1894.....	60.8	92	27	8.88	0	16	9	8	14
1895.....	60.6	102	22	2.68	0	9	13	10	8
1896.....	65.4	98	31	2.85	0	10	10	12	9
1897.....	57.7	88	25	5.24	T.	12	11	10	10
1898.....	60.0	94	22	5.11	0	15	8	9	14
1899.....	61.1	100	24	3.82	0	11	10	11	10
1900.....	60.4	96	20	2.79	T.	9	13	9	9
1901.....	58.9	91	28	5.56	0	15	8	9	14
1902.....	59.8	95	25	1.96	0	8	13	11	7
1903.....	61.8	94	18	1.67	0	7	16	9	6
1904.....	61.6	94	21	3.78	0	11	12	10	9
1905.....	60.8	93	22	2.59	0	12	11	9	11
1906.....	60.0	99	23	3.23	0	10	12	10	9
1907.....	54.8	91	19	3.08	0.1	11	11	9	11
1908.....	61.2	96	22	6.28	0.3	15	10	10	11
1909.....	59.2	92	23	2.90	0.1	10	12	10	9
1910.....	56.8	88	24	3.38	0	12	11	10	10
1911.....	65.2	99	20	1.97	0	7	17	10	4
1912.....	61.2	91	28	3.15	0	11	14	8	9
1913.....	58.5	93	21	3.86	0	10	13	8	10
1914.....	61.5	96	19	3.34	0	9	16	9	6
1915.....	56.2	84	21	4.16	0	14	10	8	13
1916.....	61.0	93	26	3.19	T.	13	12	11	8
1917.....	53.3	90	20	3.39	T.	13	9	10	12
1918.....	65.1	95	21	5.04	0	14	13	12	6
1919.....	59.5	98	27	5.80	0	14	13	7	11
1920.....	56.6	92	18	2.02	0	8	17	8	6
1921.....	59.8	93	22	3.93	0	11	14	8	9
1922.....	62.5	96	20	3.21	0	10	15	8	8
1923.....	58.3	93	20	3.50	0.6	8	19	6	6
1924.....	54.6	92	18	5.71	0	17	9	9	13
1925.....	55.2	98	22	3.49	0.2	11	13	10	8
1926.....	58.8	95	18	1.78	0	8	17	10	4
1927.....	58.2	92	23	4.14	0	16	9	9	13
1928.....	58.0	95	20	2.23	0	10	15	9	7
1929.....	58.5	97	23	4.81	T.	14	13	9	9
1930.....	61.2	99	25	3.03	0	10	15	8	8
1931.....	59.8	98	19	5.28	T.	15	13	9	9
1932.....	59.8	98	21	3.69	0	10	15	8	8
1933.....	62.2	94	24	5.86	0	18	8	10	13
1934.....	62.2	98	22	2.51	0	8	18	8	5
1935.....	56.0	92	21	3.00	0	10	13	8	10
1936.....	62.8	96	24	2.09	0	7	19	8	4
1937.....	60.7	96	24	3.39	0	11	14	10	7
1938.....	58.8	93	20	3.85	0	13	11	9	11
1939.....	62.8	99	20	1.58	T.	7	16	10	5
1940.....	59.2	93	22	4.46	T.	16	9	9	13
1941.....	61.3	102	21	2.25	T.	9	15	9	7
Period	59.6	102	18	3.81	T.	12	12	9	10

Climatological Data for May, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy			Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	260	29	63.4	+3.0	95	22	33	3	38	1.40	-2.00	0.40	0	7	23	8	0	s.	John A. Frick.
	Altoona.....	Blair.....	1,615	54	60.6	+1.8	90	22†	31	3	42	3.27	-0.75	0.94	0	11	20	7	4	w.	Robert D. Goodfellow.
	Ardenmore.....	Montgomery.....	330	21	65.1	+4.1	99	22	31	3	39	1.42	-2.52	0.50	0	10	11	16	4		H. L. Balderston.
	Ardenmore.....	Adams.....	710	19	63.8	+3.4	95	22†	33	3	48	1.82	-2.02	0.95	0	7	21	5	5	nw.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,100	9	61.2		95	21	29	3	50	1.56		0.78	0	5	14	2	15	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	450	55	65.2	+2.7	97	22†	34	3	35	1.26	-1.66	0.47	0	6	24	2	5	nw.	Lehigh University.
	Bloomsburg(near).....	Columbia.....	560	15	59.2		95	28	28	11†	46	0.83		0.30	0	7	12	15	4	nw.	Benj. F. Conner.
	Carlisle.....	Cumberland.....	473	72	65.0	+3.3	97	22	32	3	48	1.47	-1.91	0.32	0	9	20	5	6	sw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	600	44	64.6	+3.3	97	22	33	3†	48	2.02	-1.37	0.99	0	7	11	15	5	w.	William B. Spear.
	Clearfield.....	Clearfield.....	1,260	40	59.2	+0.3	92	21†	25	3†	50	1.41	-2.96	0.24	0	9	16	10	5	sw.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	431	54	63.6	+2.3	95	22	32	3	40	1.70	-1.89	0.78	0	10	11	9	11	nw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	630	29	61.2	+1.8	91	22	31	3	43	1.95	-1.64	0.47	0	9	20	4	7	w.	W. A. Rorer.
	Emporium.....	Cameron.....	1,050	56	58.4 ^b		91	21	24 ^a	3	49	1.32	-2.87	0.32	0	7	18 ^b	0	11 ^a	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	365	44	63.8	+2.1	97	22	33	3	42	2.19	-0.85	0.56	0	9	12	12	7	n.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,900	48	58.9 ^a	+2.3	88 ^a	22	30 ^a	3	35 ^a	1.69	-2.15	0.70	0	8	7	0	24	w.	Andrew B. Evansha.
	George School.....	Bucks.....	160	35	64.0	+2.9	95	22	33	3†	41	1.37	-1.99	0.58	0	11	12	16	3	w.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	68	64.4	+2.7	95	28	34	3	41	1.51	-2.18	0.47	0	10	19	6	6	w.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	900	37	58.8	+0.7	90	21†	25	3	49	2.27	-1.65	0.78	0	10	13	11	7	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,890	26																	Steward W. Eilenberger.
	Hanover.....	York.....	600	37	65.8	+2.6	95	22	36	3	40	2.80	-0.57	1.20	0	8	17	5	9	n.	Thomas Y. Cooper.
Harrisburg.....	Dauphin.....	337	72	65.4	+3.6	96	22	38	4	42	1.93	-1.51	0.77	0	10	9	13	9	w.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	23	57.4	+0.3	92	22	26	3	53	2.11	-1.41	0.75	0	11	18	9	4	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	26	65.0	+2.1	91	22†	41	3	33	1.07	-1.70	0.37	0	7	17	8	6	nw.	Penna. Water & Power Co.	
Huntingdon.....	Huntingdon.....	700	54	61.4	+1.1	95	22	25	3	50	2.69	-1.06	0.79	0	11	13	10	8	w.	Prof. Paul R. Yoder.	
Kyertown.....	Clearfield.....	1,700	12	58.0	+0.3	89	21†	30	3†	40	1.27	-1.94	0.48	0	11	5	14	12	w.	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	280	54	63.8	+2.8	96	22	30	3†	49	2.16	-0.79	0.81	0	7	21	6	4	nw.	Supt. of Water Works	
Lawrenceville.....	Tioga.....	996	44	56.5	-0.9	91	21	22	3	52	2.05	-1.75	0.42	0	13	13	12	6	e.	C. P. Darling.	
Lebanon.....	Lebanon.....	469	57	63.6	+2.5	96	22	33	3†	44	1.58	-1.68	0.56	0	8	23	6	2	sw.	Lebanon Valley Gas	
Lewistown.....	Millin.....	480	3	63.8	.....	94	22	33	3†	42	1.44	.....	0.36	0	9	12	8	11	e.	Penna. Edison Co.	
Lock Haven.....	Clinton.....	554	51	61.0	-0.8	95	21	27	3	49	1.17	-2.88	0.33	0	7	9	15	7	nw.	E. A. McGill.	
Marcus Hook.....	Delaware.....	50	15	69.2	+3.4	102	27	38	3	35	1.02	-1.93	0.35	0	10	28	3	0	sw.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,656	36	57.4 ^a	+2.4	88†	21	32 ^a	12	37 ^a	1.87 ^a	-1.56	0.57 ^d	0	12	11 ^a	9 ^d	7 ^d	nw.	Harry S. Fancher.	
Mt. Pocono.....	Monroe.....	1,740	35	54.8	+0.9	84	21†	26	3	40	1.51	-2.57	0.45	0	8	19	8	4	nw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	861	29	57.2	+0.2	91	28	25	12	51	1.21	-2.84	0.47	0	5	18	11	2	nw.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	80	52	63.8	+3.2	94	22	37	3	43	1.86	-2.10	0.56	0	11	20	6	5	w.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	3	62.2	.....	95	21†	28	3†	50	2.46	.....	0.72	0	9	11	15	5	w.	J. Earl Sweeney.	
Palmerton.....	Carbon.....	420	23	62.0	+2.4	97	22	30	3†	44	1.25	-2.17	0.37	0	9	16	11	4	nw.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	70	66.3	+3.4	94	22	39	3	31	0.87	-2.39	0.22	0	9	11	16	4	nw.	U. S. Weather Bureau	
Phila. Navy Yard.....	Philadelphia.....	20	25	66.8	+4.2	96	22†	40	3	31	1.55	-1.57	0.52	0	14	21	3	7	nw.	Navy Aerological Office	
Phoenixville.....	Chester.....	100	31	64.4	+2.4	97	22	31	3	46	1.23	-2.53	0.48	0	6	18	10	3	w.	Philadelphia Sub. Water Co	
Port Clinton.....	Schuylkill.....	430	3	61.9	+0.8	94	22	29	3†	45	1.47	-2.67	0.42	0	6	23	2	6	n.	E. E. Rarick.	
Quakertown.....	Bucks.....	480	56	61.0	+1.5	93	22†	30	4†	42	2.33	-1.03	0.78	0	11	19	9	3	nw.	John E. Benner.	
Reading.....	Berks.....	273	71	65.3	+3.3	95	22	38	3	34	1.57	-2.10	0.42	0	10	14	10	7	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	47	60.6	+1.2	91	21	33	3	37	1.95	-1.82	0.89	0	12	10	15	6	n.	U. S. Weather Bureau	
Selinsgrove.....	Snyder.....	420	51	62.6	+1.9	94	22	29	3	47	1.41	-2.29	0.54	0	9	8	15	8	nw.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	45	65.6	+2.5	94	22	36	3	36	1.44	-1.84	0.45	0	13	8	14	9	nw.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	8	64.4	.....	95	21†	32	3	43	2.77	.....	0.68	0	10	9	16	6	sw.	State Teachers College	
State College.....	Centre.....	1,217	57	61.4	+2.6	91	21†	33	3	39	1.70	-2.19	0.33	0	11	6	19	6	nw.	Penna. State College.	
Towanda.....	Bradford.....	754	47	58.2	+0.7	92	21	26	12	45	1.77	-1.59	0.51	0	10	10	13	8	nw.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,319	71	58.0	+1.6	93	21	25	3	48	1.12	-2.23	0.55	0	5	22	3	6	n.	George W. Hill.	
West Chester.....	Chester.....	440	92	64.3	+3.5	94	22	35	3	39	1.60	-2.28	0.78	0	9	21	9	1	w.	Harlan Saylor.	
Wilkes-Barre(Airport).....	Luzerne.....	544	3	59.4	.....	92	21	30	3	42	2.23	-0.92	0.44	0	11	7	16	8	nw.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	542	55	61.8	+1.3	95 ^a	21†	30	3†	49	0.97	-2.86	0.30	0	7	9	19	3	w.	John D. McEwan.	
Williamstown.....	Dauphin.....	1,275	26	64.4	+4.2	89	21†	31	3	44	1.27	-2.54	0.42	0	7	20	7	4	sw.	Susquehanna Collieries Co	
York.....	York.....	400	53	64.1	+2.6	95	22	31	3	47	2.38	-0.64	1.24	0	10	19 ^a	6 ^a	5 ^a	sw.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	51	55.6	+0.1	89	21	24	3†	51	3.04	-0.38	0.72	0	11	7	2	22		Frank S. Fawcett.
	Butler.....	Butler.....	1,077	28	61.8	+2.3	91	22†	28 ^a	3	49 ^a	3.46	-0.07	1.18	0	9	16	11	4	nw.	William C. Faust.
	Claysville.....	Washington.....	1,150	36	60.2	-0.6	90	25	25	11	47	3.83	+0.24	1.28	0	10	17	4	10	n.	J. L. Melvin.
	Corry.....	Erie.....	1,430	28	56.9	+1.7	91	21	26	12	46	1.44	-3.07	0.45	0	11	11	2	18	nw.	Pennsylvania Electric Co.
	Coudersport.....	Potter.....	1,665	14	60.0	+3.5	91	21	28	8	34	1.84	-1.77	0.34	0	13	14	8	9	nw.	Philip R. Shaw
	Derry.....	Westmoreland.....	1,172	44	60.6	0.0	89	29	31	4†	45	3.17	-0.47	0.70	0	12	16	9	6	w.	N. Dixie Wineman.
	Donora.....	Washington.....	762	15	63.4	+0.7	92	22	34	12	49	3.26	-0.12	0.57	0	10	13	11	7	nw.	Donora Zinc Works.
	Ebensburg.....	Cambria.....	2,160	24	56.1	-0.3	86	22	25	13	45	4.13</									

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Continued on page 28.

Daily Precipitation for May, 1941—Continued from page 27

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage (continued)																																	
Scranton ¹	N. Br. Susq.	T.				.06		.13	.47	.15						.01	.14	.02		T.			.14	.06				.43	.27		.07	1.95	
Selinsgrove	Lower Susq.								.54	.21	.04					.04	.35	.04					.12	.03							.04	1.41	
Sellersville	Lower Del.				.07				.50	.20						.06	.11	.17					.11					.17				1.89	
Shade Gap	Middle Susq.							.04		.27						.04	.08						.10	.30						.92	.16	.03	1.94
Shawmont	Schuylkill			.04		.01			.45	.05	.19					.10	.01	.16					.10	.19				.03	.10		.01	1.44	
Shippensburg	Lower Susq.	T.							.37	.11	.02					.02	.30	.04					.68						.50	.68	.05	2.77	
South Mountain ²	Potomac								.11	.02	.26					.17	T.	.20					.03	.26						1.52	.01	2.52	
State College ³	W. Br. Susq.	T.				T.		.27	.16	.26						.11	.17	.01					.33	.02				.11		T.	.09	.17	1.70
Stroudsburg ²	Upper Del.					T.		.35		.20						.21		.03					.03	.02					.29			1.13	
Sunbury ²	Lower Susq.		T.					.71		.44	.02	T.				.28	T.	.05					.08	.01						T.	.12		1.71
Susquehanna ²	N. Br. Susq.				.09	.26			.49	T.	.35							.05			T.			.19					.07	.29			1.79
Towanda	N. Br. Susq.	T.			.13			T.	.30	.14	T.					.02	.27	.17					.51	.05	T.			.02	.16		T.	T.	1.77
Wellsboro ²	N. Br. Susq.					T.		.08	T.	.01						.43		.05				T.	.55	T.								1.12	
Wernersville ² [nr]	Schuylkill								.50	.10						.10		.43					.27	.06			.02						1.48
West Chester	Lower Del.				T.	T.		.78	.09	.14						T.	.12	.11	.01				.08					.18		.09	T.	1.60	
Westgrove ²	Lower Del.					T.		.48		.17						.36	.69						.68										\$
Wilkes-Barre ^{5**}	N. Br. Susq.				.04			.12	.44	.12	T.					.23	.31	.08					.18	.22							.19	2.23	
Williamsport ²	W. Br. Susq.					.06		.30		.11						.29		.02					.05	.14								0.97	
Williamstown	Lower Susq.					T.		.33	.42	.06						T.	.24	T.					.04					.13		.05		1.27	
York	Lower Susq.							.16	.28	.08						.02	.26	.12					1.24					.02	.18	.02		2.38	
York Haven ²	Lower Susq.							.14	T.	.14						.28							.95	.05						.49		2.05	
Zionsville (near)	Schuylkill				.02			.81	.08							.28		.27					.03	.04				.01				1.54	
Trenton, N. J. ¹¹	Lower Del.		.17			.06		T.	.63	.04	T.					.02	.07	.08		T.			.30	.01				.01		T.		T.	1.39
Ohio Drainage																																	
Acmetonia ²	Allegheny								.51	.28	.18					.05	.51	.51	.35					.38	T.						1.20	3.97	
Beaver Falls ²	Beaver								.51	.32	.03					.06	.80	.16	.06					.11	.12						1.95	4.12	
Blairsville ²	Allegheny								.23	.27	.18	T.				.03	.05	.43	.23	.36				.21	.11					.85	.01	2.96	
Bradford	Allegheny					T.	T.	.17	.18	.26						.03	.10	.28					T.	.32				.07		.19		T.	1.60
Brookville ²	Allegheny								.53	.22	.03					T.	T.	.37	*	.25			.11	.72	.09				.05	.67		3.04	
Buckstown ¹	Allegheny							.23	.21	.25						.02	.14	.33	.22				.22	.19					.90		.38	3.09	
Butler	Ohio							.78	.16	.03						.21	.18	.58					.07	.07						.38		3.46	
Clarion ²	Allegheny							.93	.09	.07						.02	.59		.10				.10	.83	.10			.07				3.54	
Claysville	Ohio							.18	.54		.37					T.	.10	.46	1.28				.14	.42						.31	.03	3.83	
Confluence ²	Youghiogheny		T.					.38	.20	.35						.03	.57	.20	.40				.24	.91						.12		3.40	
Connellsville ²	Monongahela		T.					.55	.27	.30						.03	.73	.24	.21				.35	T.						.16		2.84	
Coraopolis ²	Ohio							.37	.24	.02						.14	.75	.70	.14				.74	.08						.06		3.24	
Corry ²	Allegheny							.01	.45	.10						.02		.10	.30				.10	.12				.11	.01	.12		1.44	
Coudersport	Allegheny					.02		.08	.11	.19	.03					.01	.25	.23					.34	.31				.03	.11	.13		1.84	
Derry	Conemaugh							.10	.20	.36						.03	.64	.40			.07		.08	.53					.70	.03	.03	3.17	
Donora ³	Monongahela						T.	.31	.17	.28						.54	.30	.57					.51	.11					.27		.20	3.26	
Dunlop	Allegheny							.19	.04	.22						.37	.56	.07	.01				.80	.13						.62	.03	.37	3.41
Ebensburg	Conemaugh							T.	.53	.58	.05					.11	.62	.48					.06	.14					1.05	.41	.10	4.13	
Franklin ²	Allegheny							.02	.73	.12	.03					.05	.56	T.	.13				.02	.37	.20			.24		.23		2.70	
Greensburg ²	Monongahela							.78	.45	.11						.02	.20	.68	.30				.26	.12						.14	T.	3.06	
Greensburg	Youghiogheny							.04	.36	.42	T.					.01	.02	.83	.60	T.			.70						1.03	.36	.01	4.40	
Grove City	Beaver							.60	.44	.11	T.					.50	.27	.08					.01	.40				.19		.10	.38	.32	3.40
Indiana ²	Allegheny		T.					.17	.18	.28						T.	T.	1.17	.14	.44			.06	.07	T.					.56	.06	3.13	
Irwin	Monongahela							.05	.36	.37						T.	.05	.66	.90					.41						.36	.93	.07	4.16
Johnstown	Conemaugh							.06	.31	.20						T.	.12	.58	.14				.03	1.22						.37	.75	.06	3.84
Kane Airway Sta ^{**}	Allegheny																																
Lake Lynn ²	Monongahela							.26	.42	.33							.29	.65	.24					.32	.08					.28		2.87	
Lock No. 4 ²	Monongahela							.30	.40	.02						T.	.66	.77	.30	.71			T.	.15	.02					.15	T.	2.88	
Lock No. 52	Allegheny		T.					.49	.18	.04						.04	.44	.25	.15				.38	T.						.29	.62	4.93	
Lycippus	Conemaugh							T.	.50	.43	T.					.03	1.00	.91					*	1.30	T.				.88	1.42	.04	6.01	
Marienville	Allegheny							.67	.21	.32						.11	.04	.46					*	*	*	*	*	1.45	.12		.08	T.	0.37
McKeesport ²	Monongahela							.02	.05	.03	.03					T.	.08	.75	.11	T.			.06	T.						.04	.10		1.82
Meadville ²	Allegheny							.06	.14	.11	.01					.44							.50	.24							.37	2.89	
Mercer ¹	Ohio					.11		.46	.08	.11		</																					

Continued on page 30.

Daily Temperatures for May, 1941—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Port Clinton.....	Maximum.....	83	76	65	73	81	78	80	77	77	60	65	65	68	73	73	77	79	74	80	88	90	94	93	77	70	81	91	91	90	79	79	78.3	
	Minimum.....	50	40	29	31	52	45	55	59	45	46	32	31	29	32	36	50	59	45	85	47	52	58	57	53	36	39	53	60	63	52	38	45.5	
Quakertown.....	Maximum.....	77	71	62	71	73	78	80	75	73	60	64	63	67	72	75	76	76	69	76	84	87	93	88	73	70	79	93	91	86	75	77	75.9	
	Minimum.....	40	36	31	30	52	41	49	60	49	50	39	31	30	33	36	53	58	45	34	49	51	56	60	51	38	44	58	60	68	53	40	46.0	
Reading*.....	Maximum.....	81	70	66	73	84	81	80	78	60	61	66	64	69	75	75	79	76	72	81	90	91	95	87	67	72	85	92	92	89	78	74	77.5	
	Minimum.....	54	44	38	41	58	52	58	60	53	50	45	43	39	42	51	56	54	50	47	56	62	66	63	51	48	52	65	70	65	59	53	53.1	
Retreat.....	Maximum.....	66	66	58	58	64	79	78	73	73	54	54	68	58	68	68	72	72	58	64	77	76	80	82	65	64	64	81	88	87	66	63	69.2	
	Minimum.....	45	39	29	32	51	45	51	54	47	48	31	42	31	30	36	53	51	42	35	46	53	59	60	41	39	39	49	66	63	48	39	45.0	
Ridgway†.....	Maximum.....	74	66	66	76	81	86	75	71	55	60	60	61	65	70	62	79	64	67	79	86	91	86	68	61	69	82	88	88	83	75	66	72.9	
	Minimum.....	33	39	22	27	34	43	48	43	45	38	27	23	24	30	34	44	59	31	30	40	45	53	53	36	30	36	43	52	58	52	41	39.1	
Scranton*.....	Maximum.....	70	60	62	72	61	84	82	74	62	57	60	59	67	72	76	74	71	65	69	85	91	91	82	61	70	82	85	88	77	73	75	72.8	
	Minimum.....	51	41	33	36	54	47	63	56	52	44	41	36	35	38	40	54	50	46	41	48	56	64	59	51	44	45	55	63	61	54	45	48.5	
Selinsgrove.....	Maximum.....	79	76	72	75	83	82	79	75	73	63	65	62	69	73	72	77	76	72	82	87	91	94	88	84	74	85	91	92	88	77	73	78.4	
	Minimum.....	42	42	29	31	52	49	59	57	46	49	35	35	30	33	43	54	59	45	37	48	53	58	57	52	39	38	56	59	64	60	43	46.9	
Somerset.....	Maximum.....	73	70	60	72	78	83	77	61	57	58	56	54	60	63	68	72	66	62	72	80	86	81	80	60	69	79	81	81	82	65	60	70.0	
	Minimum.....	38	40	23	25	39	44	58	42	38	36	27	22	21	28	35	56	50	35	32	40	45	46	55	47	39	35	59	60	63	49	50	40.9	
Springs.....	Maximum.....	73	64	59	72	74	83	73	65	51	50	54	55	60	65	68	76	62	61	73	79	84	84	78	58	68	80	81	83	83	66	60	69.1	
	Minimum.....	40	40	24	28	36	48	51	48	38	36	25	25	24	30	35	55	48	37	33	43	46	48	54	35	30	43	63	59	59	49	51	41.3	
State College*.....	Maximum.....	75	66	63	75	83	84	80	71	55	60	63	60	65	74	60	80	70	70	80	88	91	91	78	63	69	83	88	88	86	75	63	74.1	
	Minimum.....	50	41	33	36	56	54	61	48	43	43	36	35	34	39	48	54	48	42	48	55	56	65	54	47	38	51	68	67	59	52	49	48.7	
Stroudsburg†.....	Maximum.....	75	65	66	75	66	80	82	78	67	62	64	65	70	77	82	77	76	69	73	87	92	95	90	65	72	84	90	94	80	78	77	76.5	
	Minimum.....	41	37	26	30	38	40	46	46	45	48	33	30	28	30	33	40	55	45	31	41	48	50	59	50	37	38	47	59	50	45	36	41.4	
Towanda.....	Maximum.....	71	61	62	73	65	84	82	76	59	59	62	60	67	72	77	76	68	66	72	87	92	90	78	62	70	82	85	90	77	74	75	73.4	
	Minimum.....	43	39	28	29	50	42	63	56	47	43	33	26	27	30	35	53	47	39	33	42	49	58	60	45	36	37	46	58	59	42	34	42.9	
Uniontown.....	Maximum.....	81	77	70	79	88	92	85	72	56	58	63	62	68	73	76	85	67	68	76	85	89	91	87	67	74	87	88	92	91	83	74	77.5	
	Minimum.....	46	49	38	34	43	57	66	53	47	41	31	31	33	38	48	62	56	40	40	48	53	57	62	44	38	43	68	71	71	61	58	49.3	
Vaudergrift*.....	Maximum.....	82	73	65	76	88	92	80	73	59	63	64	63	68	72	70	84	64	51	59	66	90	90	79	68	72	88	92	92	92	72	70	74.7	
	Minimum.....	43	45	34	36	40	50	52	50	41	42	30	30	31	35	45	56	48	32	35	42	38	57	43	42	36	46	68	66	66	52	54	44.7	
Warren.....	Maximum.....	73	62	66	75	77	83	75	70	53	57	58	60	65	70	63	77	62	65	77	85	90	88	66	61	69	78	86	87	80	74	67	71.6	
	Minimum.....	39	39	27	31	46	48	60	44	45	37	30	28	29	30	43	55	47	33	35	43	47	60	56	39	33	40	52	59	56	48	50	42.9	
Waynesburg.....	Maximum.....	81	74	69	78	86	87	84	72	59	59	63	63	66	72	78	83	68	67	77	85	89	90	84	65	72	86	88	89	90	84	78	77.0	
	Minimum.....	40	50	31	30	37	54	57	50	45	40	28	28	31	33	48	63	55	36	37	45	50	55	62	41	34	39	68	63	66	59	58	46.1	
Wellsboro.....	Maximum.....	71	68	60	74	68	84	80	76	65	59	61	65	65	70	72	77	70	65	78	88	93	88	73	60	71	84	86	90	80	73	70	73.7	
	Minimum.....	40	40	25	29	52	45	60	50	48	41	28	26	27	30	35	52	50	38	32	45	47	57	58	45	33	36	49	60	57	48	33	42.3	
West Chester.....	Maximum.....	80	74	64	72	84	79	80	76	73	58	66	65	68	73	75	80	79	70	80	87	93	87	84	89	70	71	84	91	92	89	77	76	77.5
	Minimum.....	52	46	35	40	56	49	53	62	52	51	39	39	39	40	48	55	63	45	43	54	56	61	64	54	44	45	60	65	67	55	51	51.1	
Wilkes-Barre †.....	Maximum.....	73	63	61	73	64	86	84	76	63	60	63	62	66	74	76	76	72	66	74	80	92	91	82	63	72	81	90	90	78	76	74	74.5	
	Minimum.....	43	39	30	32	49	52	59	50	49	35	31	32	33	36	37	53	49	39	35	41	52	61	51	42	36	43	51	62	59	46	42	44.3	
Williamsport.....	Maximum.....	78	65	65	77	88	81	82	81	70	64	67	65	70	71	70	81	72	73	84	92	95	95	85	67	75	85	93	94	86	79	74	77.9	
	Minimum.....	42	33	30	34	41	49	62	62	45	42	33	32	30	34	42	54	52	42	35	54	53	60	65	47	39	40	50	62	62	51	40	45.8	
Williamstown.....	Maximum.....	80	76	74	77	77	83	80	74	72	53	64	70	73	73	76	76	75	78	85	89	89	83	87	76	83	87	87	87	83	70	77	77.7	
	Minimum.....	56	48	31	39	55	51	54	55	47	44	36	49	50	36	52	49	60	42	41	58	61	63	61	43	50	56	60	68	72	49	49	51.1	
York.....	Maximum.....	87	79	66	77	88	85	82	80	77	62	68	66	72	77	74	87	87	74	82	91	94	95	91	72	72	89	91	94	92	75	75	80.7	
	Minimum.....	44	47	32	31	48	51	57	62	43	51	31	32	32	35	43	54	61	43	37	48	55	56	61	48	37	41	61	65	67	53	47	47.5	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. ‡ 1:30 a. m. to 1:30 a. m. •, •, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	30.01	30.37	25	29.61	7	7.8	23	sw.	27	72	63	67	64
Harrisburg.....	29.96	30.34	25	29.57	17	7.9	26	n.	22	61	36	51	76
Philadelphia.....	29.96	30.33	25	29.53	17	11.9	38	n.	22	62	35	55	73
Pittsburgh.....	30.01	30.42	25	29.68	7	10.4	38	nw.	16	69	42	49	56
Reading.....	29.95	30.34	25	29.53	17	10.3	36	n.	2	58	32	47	78
Scranton.....	29.95	30.28	25	29.54	17	6.7	29	nw.	24	65	39	40	72

* For any five-minute period.
§ Local Noon.

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER
HARRISBURG, PA.

Vol. XLVI.

JUNE, 1941.

No. 6.

GENERAL SUMMARY.

The temperature was above normal for the third consecutive month. Sectional averages ranged from 67° in the Plateau and Mountain regions, to 71° in the Southeast. Lake Erie averaged 68°, and the Southwest 70°. Individual stations reported temperatures which varied from 2° below, to 4° above station normals. The lowest readings occurred, generally, on the 11th, while the highest temperatures were reported on the 21st, a few being recorded on later dates. Oddly, absolute maxima were lower than those of May at many stations.

With most stations reporting excesses, the average precipitation was above normal for the first time this year. Drought conditions were greatly alleviated, but there is still an accumulated deficiency of 5.97 inches for the year. The Lake Erie Section received the least amount, averaging only 2.58 inches, as against 4.39 inches in the Southeast; 4.43 inches in the Plateau; 4.93 inches in the Mountain; and 6.73 inches in the Southwest. Departures from station normals ranged from a deficiency of 1.50 inches to an excess of almost 8.00 inches. The storm period of June 1-5 produced maximum 24-hour amounts. Excessive precipitation was general, especially in the southwest portion, where streams suddenly overflowed their banks on the 4th and 5th as a result of heavy downpours, cresting 2 to 4 feet, and at a few places, as much as 8 feet above flood stage. At least four people were drowned. Damage to property and crops was estimated at \$1,000,000. The flood waters blocked railroads and highways, isolating some communities for a short time; flooded homes, sweeping some from their foundations; ruined crops; flooded mines; forced industrial plants to close; interrupted river traffic; and caused landslides, which did additional damage. A series of storms, occurring from the 12th to the 19th, produced greatest 24-hour amounts at a few stations. Rain was also reported, but less generally, about the 24th and again at the end of the month.

Scattered thunderstorms occurred throughout the month. Trees were blown down, buildings damaged, utilities services disrupted, fires started, and livestock killed by high winds and lightning accompanying them. Most general and severe were the thunderstorms reported about the 15th, when hail was observed at many stations. Heavy hail accompanied these storms in the eastern part of the State, particularly in the vicinity of Lancaster and New Tripoli, where exceptional amounts fell and were washed into drifts, reportedly 28 to 30 inches deep. Crops were destroyed and property was damaged, estimates of the loss running to at least \$25,000. Remnants of the drifts were still in evidence 24 hours after the storms had passed.

G. W. S.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 92 stations, was 68.6°, which is 0.5° above the 54-

year normal for June. The highest monthly mean was 74.4° at Marcus Hook, and the lowest was 62.6° at Kane. Extremes ranged from a maximum of 99° at Sharon on the 28th, to a minimum of 31° at Kane on the 11th. The greatest daily range in temperature was 47° at Stroudsburg on the 26th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 177 stations, was 4.95 inches, which is 0.81 inch above the 54-year normal for June. The greatest monthly amount was 11.73 inches at Newell, and the least, 2.20 inches at Galeton. The greatest amount for any 24 consecutive hours was 4.30 inches at Newell on the 5th.

OBITUARY.

Mr. T. B. Lloyd, a former cooperative observer, died on May 12, 1941. Mr. Lloyd operated the station at Emporium, Pa., from March 1, 1888, when it was opened, until his retirement in March, 1936, a record of 48 years of faithful service.

Mr. P. F. Lundergan, of Bradford, Pa., died on June 30, 1941. Mr. Lundergan had reported observations at the Cooperative Station at Bradford since November, 1934 and was in active service until his death.

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation		No of days.		
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy
1888.....	68.4	100	30	3.04	.....	9	12	11
1889.....	66.7	95	33	5.43	.....	15	5	12
1890.....	70.1	97	33	3.42	.....	9	12	11
1891.....	68.2	100	30	4.50	.....	11	14	8
1892.....	71.8	99	40	5.64	.....	13	9	11
1893.....	69.8	100	38	3.12	.....	9	10	11
1894.....	69.6	102	30	2.57	.....	10	13	12
1895.....	71.4	104	32	3.50	.....	9	13	10
1896.....	67.4	93	32	4.64	.....	11	10	11
1897.....	64.8	96	28	3.38	.....	11	11	11
1898.....	69.6	100	33	2.79	.....	9	14	11
1899.....	69.9	101	32	3.51	.....	9	13	11
1900.....	69.9	97	35	3.60	.....	10	11	12
1901.....	69.1	103	32	3.47	.....	10	12	11
1902.....	66.0	97	32	5.97	.....	13	11	12
1903.....	63.5	90	34	6.53	.....	15	7	10
1904.....	67.9	96	32	4.06	.....	13	12	10
1905.....	68.0	99	30	4.39	.....	13	11	10
1906.....	69.3	97	28	5.43	.....	13	11	12
1907.....	63.6	98	30	4.99	.....	12	11	9
1908.....	68.8	102	28	2.36	.....	7	19	9
1909.....	68.8	96	34	4.48	.....	13	12	9
1910.....	65.4	95	32	1.31	.....	11	12	8
1911.....	68.3	99	38	4.71	.....	12	12	10
1912.....	65.6	96	29	3.36	.....	8	13	9
1913.....	68.2	99	20	2.26	.....	7	19	7
1914.....	68.6	101	25	3.71	.....	9	16	8
1915.....	65.6	92	31	4.00	.....	11	14	10
1916.....	63.7	89	28	6.14	.....	15	11	10
1917.....	66.8	92	32	5.38	.....	14	12	11
1918.....	66.0	98	29	3.46	.....	10	13	11
1919.....	71.2	102	32	3.90	.....	10	16	9
1920.....	67.0	99	32	4.97	.....	13	12	11
1921.....	70.6	101	26	3.12	.....	8	17	9
1922.....	69.5	96	30	5.11	.....	13	11	11
1923.....	70.9	103	32	2.73	.....	9	16	9
1924.....	65.8	98	26	5.57	.....	15	11	11
1925.....	71.9	104	29	3.04	.....	9	16	11
1926.....	64.1	94	23	3.63	.....	12	13	10
1927.....	63.8	99	25	3.72	.....	9	15	8
1928.....	65.5	93	30	7.96	.....	17	9	9
1929.....	67.8	98	28	3.56	.....	10	15	10
1930.....	69.1	100	22	4.20	.....	9	17	8
1931.....	68.5	102	28	3.71	.....	9	16	8
1932.....	68.5	98	26	3.15	.....	11	13	9
1933.....	70.9	107	28	2.58	.....	9	18	8
1934.....	72.9	104	35	3.64	.....	9	17	9
1935.....	67.4	96	33	4.22	.....	12	13	9
1936.....	68.5	100	33	3.80	.....	10	14	9
1937.....	69.5	99	38	4.37	.....	12	13	9
1938.....	67.1	99	32	5.14	.....	11	12	10
1939.....	69.9	101	35	4.46	.....	13	12	9
1940.....	67.8	95	31	4.11	.....	13	10	11
1941.....	68.6	99	31	4.95	.....	12	14	7
Period.....	68.1	107	20	4.14	.....	11	13	10

Climatological Data for June, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation in or more	Clear	Pt. cloudy			Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	260	29	69.6	-0.1	94	22†	46	11	34	2.51	-1.43	0.82	0	12	16	12	2	ne.	John A. Frick.
	Altoona.....	Blair.....	1,615	54	67.4	+0.8	91	30	40	11	43	5.26	+1.41	2.27	0	11	19	6	5	w.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	330	21	71.2	+0.9	94	22†	52	1	31	4.01	+0.08	1.27	0	9	12	10	.....	H. L. Balderston.	
	Arendtsville.....	Adams.....	710	19	69.8	-0.7	95	30	45	11	36	5.00	-0.09	1.32	0	12	15	5	10	n.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,100	9	69.4	.....	91	21†	41	11	38	6.25	.....	2.20	0	9	17	2	11	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	450	55	72.0	+1.4	97	22	53	11	35	2.42	-1.44	0.60	0	13	17	6	10	nw.	Lehigh University.
	Bloomsburg (near).....	Columbia.....	560	15	67.6	.....	93	21†	35	11	39	3.40	.....	0.84	0	11	12	11	7	nw.	Benj. F. Conner.
	Carlisle.....	Cumberland.....	473	72	70.0	-1.1	94	21†	45	11	38	5.88	+2.02	1.42	0	13	15	4	9	sw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	600	44	71.4	+1.3	97	22	44	11	37	5.55	+1.33	1.27	0	11	15	6	9	sw.	William B. Spear.
	Clearfield.....	Clearfield.....	1,260	40	67.3	0.0	95	28	34	11	43	5.12	+0.51	1.48	0	15	16	5	9	sw.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	431	54	70.4	+0.2	94	21†	51	3†	34	3.81	-0.39	1.30	0	9	13	4	13	nw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	630	29	66.5	-1.5	90	30	40	11†	33	5.01	+0.92	1.86	0	10	16	5	9	sw.	Wm. A. Korer.
	Emporium.....	Cameron.....	1,050	56	65.1†	.....	90	20	35	11	39	4.93	+0.59	1.61	0	14	16	0	9	sw.	E. M. Poorman.
	Ephrata.....	Lancaster.....	365	44	71.0	+1.4	97	22†	45	11	36	6.34	+2.08	1.71	0	11	11	9	10	sw.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,900	48	65.8	+0.8	87	22†	46	9	31	5.47	+0.51	1.08	0	14	11	1	18	w.	Andrew B. Evansha.
	George School.....	Bucks.....	160	35	70.6	+1.2	93	22†	49	11	37	4.26	+0.59	1.12	0	11	15	4	9	sw.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	68	70.4	+0.2	96	30	47	11	31	3.50	-0.89	1.79	0	9	15	6	9	sw.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	900	37	66.0	-0.1	91	27†	38	11	43	3.50	-0.93	1.31	0	11	16	4	10	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,890	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Steward W. Ellenberger.
	Hanover.....	York.....	600	37	71.6	+0.2	95	30	49	11	30	4.63	+0.62	1.60	0	13	17	2	11	sw.	Thomas Y. Cooper.
	Harrisburg.....	Dauphin.....	337	72	71.6	+1.3	95	22	53	11	35	3.47	-0.12	1.18	0	13	9	10	11	w.	U. S. Weather Bureau.
	Hawley.....	Wayne.....	900	23	65.6	-0.4	95	27	35	11	43	4.02	+0.17	1.51	0	13	19	4	7	w.	Mrs. Della M. Pennell.
	Holtwood.....	Lancaster.....	200	26	71.9	-0.7	93	30	54	11	26	3.66	+0.45	1.01	0	12	15	4	11	.....	Penna. Water & Power Co.
	Huntingdon.....	Huntingdon.....	700	54	69.0	+0.5	93	27†	45	6	39	5.39	+1.27	1.69	0	13	15	6	9	e.	Prof. Paul R. Yoder.
	Kiurtown.....	Clearfield.....	1,700	12	65.8	0.0	90	28	40	11	36	4.12	+0.62	1.39	0	14	7	9	14	sw.	U. S. Weather Bureau.
	Lancaster.....	Lancaster.....	280	54	69.8	-0.3	94	30	42	11	38	3.97	-0.09	1.03	0	11	17	8	5	nw.	Supt. of Water Works
	Lawrenceville.....	Tioga.....	996	44	67.2	+1.1	95	27†	33	10†	45	2.90	-1.02	0.72	0	10	16	9	5	sw.	C. P. Darling.
	Lebanon.....	Lebanon.....	469	57	69.8	0.0	96	30	45	11	41	4.42	+0.07	1.35	0	11	23	2	5	sw.	Lebanon Valley Gas
	Lewistown.....	Mifflin.....	480	3	70.0	.....	92	22†	45	12	35	4.48	.....	1.50	0	12	12	3	15	e.	Penna. Edison Co.
	Lock Haven.....	Clinton.....	554	51	67.6	-2.2	95	27†	39	11	40	5.02	+0.76	1.74	0	11	14	10	6	nw.	E. A. McGill.
	Marcus Hook.....	Delaware.....	50	15	74.4	-0.7	98	22	56	5	28	3.50	-0.23	1.20	0	9	21	2	7	sw.	Sun Oil Co.
	Montrose.....	Susquehanna.....	1,656	36	64.6	+1.0	90	27	42	2	32	3.44	-0.68	1.46	0	13	13	10	7	nw.	Harry S. Fancher.
Mt. Pocono.....	Monroe.....	1,740	35	59.8	-1.7	83	22†	35	12	30	8.02	+3.26	1.30	0	14	13	4	13	w.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	864	29	64.8†	.....	91	23	31†	11	40†	5.86	+1.50	1.02	0	15	14	6†	6†	w.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	80	52	70.0	+0.9	92	10	51	7	37	6.70	+2.83	1.50	0	12	17	3	10	w.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	3	67.5	.....	93	30	38	11	38	5.41	.....	1.61	0	12	15	10	5	w.	J. Earl Sneider.	
Palmerton.....	Carbon.....	420	23	70.0	+2.0	97	22	46	6	38	3.33	-0.38	0.70	0	11	13	12	5	ne.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	70	72.1	+0.7	95	22	55	1	26	4.96	+1.72	1.74	0	8	12	10	8	sw.	U. S. Weather Bureau.	
Phila. Navy Yard.....	Philadelphia.....	20	25	73.0	+1.0	95	21†	57	5	27	5.15	+1.15	2.70	0	9	16	5	9	sw.	Navy Aerological Office	
Phoenixville.....	Chester.....	100	31	71.6	0.0	95	27†	41	11	42	4.45	+1.08	1.37	0	10	15	11	4	w.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	430	3	68.9	-0.3	93	22†	40	11†	37	3.46	-1.00	1.52	0	11	21	0	9	n.	E. E. Rarick.	
Quakertown.....	Bucks.....	480	56	67.8	-0.6	92	22†	42	17	42	4.08	+0.17	1.73	0	12	16	5	9	w.	John E. Benner.	
Reading.....	Berks.....	273	71	71.2	+0.8	94	22	53	11	29	4.76	+1.21	1.21	0	11	12	8	10	nw.	U. S. Weather Bureau.	
Seranton.....	Lackawanna.....	746	47	68.6	+0.8	93	27	46	11	35	4.61	+0.94	1.23	0	14	12	5	13	sw.	U. S. Weather Bureau.	
Sellersgrove.....	Snyder.....	420	51	69.2	+0.1	93	27	40	11†	38	3.19	-0.94	1.15	0	10	16	5	9	sw.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	45	71.9	-0.5	94	22†	49	11	31	3.09	-0.33	1.16	0	9	12	6	12	s.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	8	70.0	.....	94	30	48	11	34	4.26	.....	1.68	0	10	13	7	10	sw.	State Teachers College	
State College.....	Centre.....	1,217	57	68.4	+1.6	92	28	46	11	34	4.22	+0.10	1.35	0	12	9	8	13	nw.	Penna. State College.	
Towanda.....	Bradford.....	754	47	67.2	+1.4	93	27	39	11	39	5.12	+1.30	1.35	0	12	12	9	9	ne.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,319	71	65.7	+1.2	92*	27†	35	11	39*	2.26	-1.47	0.83	0	11	16	5	9	w.	George W. Hill.	
West Chester.....	Chester.....	440	92	70.4	+0.8	94*	30	51	11	34*	3.71	-0.84	1.00	0	10	16	9	5	sw.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	3	68.0	.....	94	22†	41	10†	36	7.31	+3.33	2.09	0	14	8	8	14	n.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	542	55	70.4	+1.4	96	22	42	6	41	4.75	+0.89	1.52	0	13	11	12	7	sw.	John D. McEwen.	
Williamstown.....	Dauphin.....	1,275	26	68.8	+0.5	92	29	47	4†	30	4.10	-0.41	1.80	0	11	16	6	8	sw.	Susquehanna Collieries Co.	
York.....	York.....	400	53	70.8	+0.6	95	21†	41	11	39	4.34	+0.59	1.40	0	13	14	10	6	s.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	51	64.9	+1.3	92	28	33	11	43	7.32	+2.98	1.94	0	4	6†	2†	16†	.....	Frank S. Fawcett.
	Butler.....	Butler.....	1,077	28	69.6	+1.6	95	27	38	11	42	4.56	-0.10	1.26	0	11	16	10	4	s.	William C. Faust.
	Claysville.....	Washington.....	1,150	36	68.8	-0.5	93	28	42	11	38	6.84	+2.54	1.12	0	15	18	2	10	s.	J. L. Melvin.
	Corry.....	Erie.....	1,430	28	65.9	+0.6	93	28	36	11	39	3.88	-0.93	1.15	0	12	16	0	14	w.	Pennsylvania Electric Co.
	Coudersport.....	Potter.....	1,665	14	67.5	+3.7	94	28	42	12	30	4.49	+0.22	1.30	0	10	15	6	9	nw.	Philip R. Shaw.
	Derry.....	Westmoreland.....	1,172	44	69.9	+1.1	92	28	45	11	38	6.96	+2.02	2.12	0	12	16	12	2	w.	N. Dixie Wineman.
	Donora.....	Washington.....	762	15	72.4	+1.0	98	28	48	11	35	5.84	+1.89	2.84	0	12	4	10	16	sw.	Donora Zinc Works.
	Ebensburg.....	Cambria.....	2,160	24	64.4	-0.5	91	28	35	11	39	6.47	+1.63	1.70	0	12	15	9	6	w.	Robt. A. Wasser.
	Franklin.....	Venango.....	987	67	66.9																

Daily Precipitation for June, 1941

Stations	Drainage Basin	Day of month																																																																																	Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																																																			
Atlantic Drainage																																																																																			
Allentown ²	Lehigh	.05	.02	.18		.82	.27						.03	.71	.03	.12		.04	.16						.08						T.		2.66																																																		
Altoun ²	Juniata	.22	.12	.51	2.27							.12	.32	.11	.08	.02	.28	.21															5.21																																																		
Ansonia ³	W. Br. Susq.	.87	.02		.46	.80							.38	.07		.28		.02															2.64																																																		
Ardmore ²	Lower Del.	T.		.17	.60						.01	.11	T.	.44		.19	.21							.06							.10		4.01																																																		
Arendtsville ²	Lower Susq.	.15	.07	.02	1.32	1.19	.22				T.	.80	.10	T.	.16		.78	.01						.16									5.00																																																		
Baker's Summit.	Juniata	.20	.08	1.61	1.14						.66	.17		.28	.31	.30																	4.75																																																		
Bald Eagle	Middle Susq.	.57		.23	.23	.91					.07	.09	.10	.70	.10	.14	.08																4.22																																																		
Bedford ²	Juniata	.32	.75	T.	1.85	2.20	T.				T.	.60	.23	T.	.20	T.	.30	.30						.30						T.		6.25																																																			
Bellefonte ²	W. Br. Susq.	.16	.02		1.09	1.48	.02				T.	T.	.01	.01	.13	.12	1.17	.17					T.										4.42																																																		
Berwilerale ¹	W. Br. Susq.	.52		.32	1.46	.63		.06				.29	.07	.13	.22	.52																	4.22																																																		
Boylehem	Lehigh	.06			.60	.58	.01					.01	.56	.02	.06	.09		.12	.16					.12	.04								2.42																																																		
Bloomsburg (nr.) ²	Susquehanna	.81			.60	.83	.04						.11	.08	.19	T.	.24	.09	T.					.18	.29								3.40																																																		
Blossville	Lower Susq.	.14	.02		2.09	1.26		T.				.39	.25	.05	.17	10.42	.41	T.						.10					T.				6.81																																																		
Buffalo Mills ²	Potomac	.53	.66		1.58	1.91							.60	.12	.02	.13	.08	.20					.51										6.37																																																		
Carlisle	Lower Susq.	.16	T.		1.42	1.06						.28	.15	.02	.67	.15	.32	.28					.41					.78		.20			5.88																																																		
Carter Camp	W. Br. Susq.	.01			1.30	.21		.03				.33	.06	.12	.02		1.02	.10												.10		.05	3.37																																																		
Centre Hall	Susquehanna	.08			1.19	1.48						.33	.05	.17	.09	.21		.86						.71	.02								4.92																																																		
Chaubersburg ²	Potomac	.17	.11		1.27	1.11	.15					T.	.69	.07	.40	.34		.52						.74						T.			5.55																																																		
Clearfield ²	W. Br. Susq.	.20	.23		.73	1.48			.16			.01	.04	.09	.05	.09	.13	1.08	.05				.04								.74		5.12																																																		
Coatesville	Lower Del.	.11			1.20	.60						.08	1.30	.02	.30	.05	T.							.12									3.81																																																		
Colebrook	Lower Susq.	.15		T.	1.07	.85						.31	.32	T.	.17	.04	.12	.12						1.86									5.01																																																		
Coushockeen.	Schuylkill	.09			1.11	.28	.23					T.	1.93	.01	.07		.51	.12															4.35																																																		
Covington ²	N. Br. Susq.	.40	.05		.22	.10							.15	.10		.10	.10	.10												.12	.15		2.69																																																		
Doylestown	Lower Del.	.33			1.12	.77	.04						1.99	.03	.09	.02		.11	.07					.02	.03							.27	4.89																																																		
Driftwood	W. Br. Susq.	.06		.03	1.85	.15		.07				.23	.02		.59	.05	.50						.31	1.08	.48						.57		5.99																																																		
Du Bois	W. Br. Susq.	.43	.01		1.29	.47			.26			.03	.09	.01	.35	.02	.11	.12												T.			3.19																																																		
East Waterford ¹¹¹²	Juniata	.04	.05	T.	.75	.32	.23					T.	.31	.10	.23	.25	.08	.43	.02					.51									4.32																																																		
Emporium ²	W. Br. Susq.	.25	.08		.97	.76			.13			.31	.08	.27	.08	.04	.06							1.61						.04	.22		4.93																																																		
Emporium ²	W. Br. Susq.	.19			2.00	.41						.03		.05	.34	.05	.50							.13					.29		.09		4.11																																																		
English Center	Lower Susq.	.15	.08		.94	.56	T.					.17	.64	.04	.05	T.	.48	.08					1.56								1.71		6.34																																																		
Ephrata	Schuylkill	.05	.02		.45	.66	.51						.07	1.02	1.4	.36	.23	.11						.30						T.			3.92																																																		
Fredericksville ²	Lehigh	.77	.30		.47	1.08	.40						.15	.14	.42	.40	.27	.19				.32			.53						.03		5.47																																																		
Freeland ²	N. Br. Susq.	.30			.92	.40			.03	T.		.13	.13	.08	.17			.04												T.	T.		2.20																																																		
Galeton	N. Br. Susq.	.30			.92	.40			.03	T.		.13	.13	.08	.17			.04												T.	T.		2.20																																																		
George School.	Lower Del.	.22	T.		1.10	.49	.07					T.	1.12	.13	.23		.05		.72					.01							.12		4.26																																																		
Gettysburg	Potomac	.19	.02		1.79	.71						.41	.19	.08		.09	T.	T.						.02									3.50																																																		
Gordon	Lower Susq.	.18			.70	1.31						.10	.17	.01	.41	.35	.13	.07													.07		3.50																																																		
Gouldsboro ²	Lehigh	.09	.12		.71	1.38	.07					.02	1.63	.05	.11	.32	.17	.08															4.75																																																		
Graterford	Schuylkill	.09	.12		.71	1.38	.07					.02	1.63	.05	.11	.32	.17	.08															4.75																																																		
Hanover	Lower Susq.	.20	.02		1.60	.68						.29	.77	.67	.02	.05	.05	.26	.01					.01									4.63																																																		
Harrisburg ²¹¹	Lower Susq.	.09	.02		1.09	.68		T.				.32	.16	.01	.65	.12	.03	.01					.22	T.						T.	.03		3.47																																																		
Hawley ²	Upper Del.	.70	.01		.09	1.51	.08						.07	.36	.09	.13	.14	.60	.18						.06								4.02																																																		
Hollisterville ²	Upper Del.	.76	T.		.04	1.40	.23						.12	.35	.09	.27	.16	.49	.36					1.55						.02			5.86																																																		
Holtwood ²	Lower Susq.	.12	.02	T.	.65	.28	.15					T.	.77	.12	.01	.48	.02	.03						1.01									3.66																																																		
Huntingdon.	Juniata	.61	.03	.05	1.23	.69	.05					.25	.14	.08	.70	.18	T.	.08													.30		5.39																																																		
Huntsdale ¹	Lower Susq.	.11		.37	1.27	1.13						.20	.13	.36	.14	.05	.34	.05														.08		4.18																																																	
Hyndman ²	Potomac	.25	.44	.17	1.70	1.53						T.	.85	.51	T.	.21	T.	.43						T.								.19		6.28																																																	
Kylertown ^{2**1}	W. Br. Susq.	.10		.47	1.04	.36		.02				.03	.27	.10	.08	.09	1.21	.18						.16	T.					T.	.01	T.		4.12																																																	
Lakeville ²	Upper Del.	.69	.04		.22	1.63	.07	T.					.07		.08	.24	.12	.71	T.					.23									4.10																																																		
Lancaster	Lower Susq.	.09			1.03	.57	.05		T.			.27	.62	T.	.34	.37	.51	.04						T.	.08								3.97																																																		
Lansford ²	Lehigh	.8	.20		.34	1.22	.31						.12	.15	.14	.20		.43	.07					.17									3.35																																																		
Laurelton ¹	Lower Susq.	.68		.03	1.83	.83						.08		.07	.28		.05							.06									3.26																																																		
Lawrenceville.	N. Br. Susq.	.70			.72	.50						.30	.10	.10	.15	.20	.08														.05		2.90																																																		
Lebanon ²	Lower Susq.	.21	.11		.56	.95	.33						.20	.19	T.	.11		.34						1.35							.04		4.42																																																		
Lehighnton ²	Lehigh	.24	T.		.17	1.13	.20						.07	.25	.13	.38		1.60	.10					.32									4.59																																																		
Lewistown.	Middle Susq.	.17			1.26	1.50			T.			.21	.06	.19	.05	.16	.07	.41	.28												.12		4.48																																																		
Lock Haven ²	W. Br. Susq.	.27	.02		.98	1.74	T.					T.	.19	.23	.31	.15		.68						.32							.13		5.02																																																		
Mapleton Depot ²	Juniata	.14	.22		.99	1.29	.07					T.	.36	.12	.28	.72	.03	T.						.22								.03		4.47																																																	
Marcus Hook ³	Lower Del.	.03			1.29	.67						.02	.81	.09	.30		.23							T.						T.		.15		3.50																																																	
Martinsburg ¹	Juniata	.18		.77	1.38	.45						.48	.17				.20	.02	.07												.80		4.52																																																		
Matamoras ²	Upper Del.	.77			.04	1.14	.42						.28	.41	.24	.45	.28	.38															4.41																																																		
Mauch Chunk.	Lehigh	.25			.68	1.08							.04	.20	.26	.23		.81	.29					.14									4.01																																																		
McConnellsburg ²	Potomac	.31	.29		1.35	1.30																																																																													

Continued on page 34.

Daily Precipitation for June, 1941—Continued from page 33

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage (continued)																																	
Seranton ¹	N. Br. Susq.	.82			.67	.67							.04	.29	.11	.46	.25	1.11	.12				.01	.02						.02	.02		4.61
Selingsgrove	Lower Susq.	.12	.25	1.15	.95								.05	.05	.06	.03	.27		.26				T.	.02									3.19
Sellersville	Lower Del.	.12		1.03	.62									1.34	.02	.06	.02		.40	.02				.03									3.66
Shade Gap	Middle Susq.	.13	.81	.37	.91								.46	.06	.18	.68	.21		.02				.11										4.94
Shawmont	Schuylkill	.06			1.16	.46	.03						T.	1.15	.03	.14			T.	.03	.03			T.									3.09
Shippensburg	Lower Susq.	.28	.04		1.68	.80							.32	.17		.60	.22	T.	.10					.05									4.26
South Mountain ²	Potomac	.23	.08		.74	.47	.15		.01				T.	.62	.08	.01	.31	T.	T.	.37				.08									3.15
State College ³	W. Br. Susq.	.05		.11	1.35	1.17			T.				.03	.07	.01	.79	.01	.22	.32						.05					T.	.09		4.22
Stroudsburg ²	Upper Del.	.97			.13	1.62	.09							.03	.81	.09	.29	.01	.54	.28					.45						.18		5.43
Sunbury ²	Lower Susq.	.14	.05		.82	1.32	.37							.10	.07	.18	.19	.15	.45	.02				T.						.05			3.91
Susquehanna ²	N. Br. Susq.	.54			.01	1.36	.12							.04	.17	.12	.32	.27					T.										2.95
Towanda	N. Br. Susq.	.50	T.		.65	.79							.31	.03	.11	.17	.43	.63	1.35											.09	.06		5.12
Wellsboro ²	N. Br. Susq.	.39	.02		.28	.83								.24	.01		.05	.02		.08										.20	.14		2.26
Wernersville ² [nr]	Schuylkill	.23			.53	.79								.52	.74		1.23		.73				.83							.03			5.64
West Chester	Lower Del.	.16			1.00	.46	.03						.05	.93	.02	1.00		.04						.02									3.71
Westgrove ²	Lower Del.	.19			.68	.68	.11							.12	1.03	.02	.12							.03									2.98
Wilkes-Barre ^{5**}	N. Br. Susq.	.59			1.18	.64							.02	.14	.12	.66	.34	2.09	.03				.01	.85						.49	.15		7.31
Williamsport ²	W. Br. Susq.	.75	T.		.51	1.52	.22							.03	.03	.04	.34	.02	.32	.78				.05						.14			4.75
Williamstown	Lower Susq.		.30		.61	1.80							.18	.13	.16		.43	.04	.37					.05						.03			4.10
York	Lower Susq.	.21	.05		1.40	.62	.01						.26	.38	.48	.08	.06	.03	.36					.40									4.34
York Haven ²	Lower Susq.	.14	.13	.01	.68	1.01	.27							.40	.17		.80		.05					.28									3.94
Zionsville (near)	Schuylkill	.01			.75	.68	.07							1.46	.06	.04	.08		.06				.04	.03									3.28
Trenton, N. J. ¹¹	Lower Del.	.26			.99	.63							T.	1.36	.02	.16	T.	2.56	.30				T.						T.	.23			6.51
Ohio Drainage																																	
Acmetonia ²	Allegheny	.07	1.37		.61	1.06		.55					T.	.24	.29	.34	.15	.14	.68												.05		5.55
Beaver Falls ²	Beaver	.06	.23		1.44	.73		.67					.01	.09	.54	.13	.14	.07												1.30	.15		5.56
Blairsville ²	Allegheny	.07	1.64		.88	3.12	T.	.16						.39	.21	.30	.19	.23	.17	.47											.08		7.91
Bradford	Allegheny	.37			1.65	.38		.16					.08	.20	.89	.66	.03												1.15		.05		5.55
Brookville ²	Allegheny	.20	.85		1.04	1.94		.22						1.04	.95	.32	.25	.02	.05				T.							.09	.28		7.32
Buckstown	Allegheny	1.53		.90	1.95	.71		.04					.92	.30	.01	.14	.17	.57	.02				.24										7.60
Butler	Ohio	.25	.53		1.26	.56		.65					.05	.07	.24	.42		.05												.48			4.56
Clarion ²	Allegheny	.21	.05		.78	1.77		.19						2.12	.45	.86	.06	.02												.14	.11		6.92
Claysville	Ohio	1.00	.03	.48	1.03	.56		.45					.47	1.12	.07	.03	.20	.02	.02											.79	.57		6.84
Couquense ²	Youghiogheny	.10	1.13	.10	2.06	1.97	T.	.01					T.	1.60	.28	.21	.35	.11	1.90	.18					.31				.02		.03		10.36
Connellsville ²	Monongahela	.20	.97	.05	1.45	4.17	.02	.04						.84	1.80	.77	.17	.20	1.14	.13										.08	.10		11.63
Corapolis ²	Ohio	.05	.12		.35	1.41		.32					.01	.45	.02		.27	.01													T.		3.01
Corry ²	Allegheny	.22	.02		.82	1.15		.11					.04	.25	.31	.25	.41													.24	.06		3.88
Coudersport	Allegheny	.30			1.30	.29							.02	.73	.70	.83		.13											.04	.15			4.49
Derry	Conemaugh	.70	.02	.10	1.10	2.12							.19	.83	.48	.57	.13		.54												.18		6.96
Donora ³	Monongahela	.52		.88	2.84	.35		.09					.32	.23	.11	.11	.15	T.											.08				5.81
Dunlof	Allegheny	.22		.53	1.51	.75							.40	.44	.19	.27	.27	1.00															5.58
Ebensburg	Conemaugh	.42		.15	1.55	1.70		.05					.53	.19	.72	.28	.18	.32	.38														6.45
Franklin ²	Allegheny	.20			.61	.32		.03					.06	.44	.44	.18	.78													.72			3.78
Greensboro ²	Monongahela	.42	.70	.07	2.65	2.40	T.						.01	.46	.03	.01	.14		.48											T.			7.38
Greensburg	Youghiogheny	.33	.02	.10	1.25	2.85		.21		.01			.54	.59	.20	.03	.14	T.	.99											T.	.13		7.38
Grove City	Beaver	.43		.03	.84	.20		.14					.58	1.13		.68	.26												1.28	.75			6.32
Indiana ²	Allegheny	T.	.22	.42	T.	1.03	1.07	.47					T.	.39	.17	.18	.20	.12	.26	.29											.18		5.00
Irwin	Monongahela	.22		.04	1.37	.81		.25					.08	.66	.12	T.	.08	.02	.18												.06		4.09
Johnstown	Conemaugh	.68	.02	.14	1.51	1.54							.36	.39	.13	.34	.18	.71	.24											.01	.08		6.83
Kane Airway Sta ²	Allegheny	.08		.17	1.21	.01		.07					1.03	1.89	.08	.29	.08		.01				T.						.73		.10		5.75
Lake Lynn ²	Monongahela		.80	.06	2.24	1.73	.04							.90	.07	.12	.18		1.36	.01					.45								7.56
Lock No. 4 ²	Monongahela	.10	.46	.03	1.28	2.37		.06					T.	.34	.11	.06	.08	.08	.02					.17						T.	.08		5.27
Lock No. 5 ²	Allegheny	.04	.50		.50	.52		.48					T.	.26	.65	.09	.02	.08						.05							.01		3.20
Lycippus	Conemaugh	.65	.80		1.31	1.80	1.26	.05					.16	1.10	.38	.74	.40	T.	.83												.11		8.35
Marienville	Allegheny			.30	1.00	.07		.04					.62	2.47	.17	.56	.10												.24				5.57
McKeesport ²	Monongahela	.04	.06	T.	.08	1.83		T.					T.	.05	.03	.02	.25	.03	.15											.23			2.77
Meadville ²	Allegheny	.19	T.	T.	1.73	.81		T.					.06	.42	.39	.06	.55	T.												.24			4.45
Mercer ¹	Ohio	.23		.10	.51								.66	.86		.29													1.52				4.17
Mercer ³ *	Ohio	.91		.13	.34			T.					.25	.50	.05	1.07	T.												.50				3.75
Midland	Ohio	.21		.08	1.01	.32			.84		T.		.25	.68	.01	.18	.07												1.28	.07			5.00
Mosgrove ²	Allegheny	.31	.72		1.12	.64		.43					T.	.18	.92	.08	.60	.11	T.											T.	.10		5.21
Mount Lebanon	Ohio	.60		.52	2.40	.27	.45						.13	.90	T.	.17	.13	.38											.13	.04			6.12
Natrona ²	Allegheny	.07	1.64		.47	.81		.43					T.	.36	.46	.11	.39	.27	.14												.34		

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First-order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ^{**} Precipitation for period, 1:30 a. m. to 1:30 a. m. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. T. (trace) when precipitation is less than .01 inch. § Incomplete or missing. ‡ Daily amounts inconsistent. Post Office addresses are as follows: of Blossville, Newville; of Acemtonla, Barking; of Pennline, Linesville; of Unity Reservoir, Greensburg; of Ringtown, Shenandoah; of Lock No. 5, Schenley. ⁵ Airway Station. † River Station. ||| Formerly Big Knob. †† Formerly Girardville.

Daily Temperatures for June, 1941																																		
Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Altoona.....	Maximum.....	75	75	68	57	73	79	85	82	76	76	74	68	62	74	73	68	73	79	82	85	88	89	85	81	83	86	89	90	86	91	.....	78.5	
	Minimum.....	55	61	62	53	62	49	42	65	53	46	40	51	55	66	61	57	66	63	57	68	69	68	62	65	66	63	61	61	66	67	.....	66.3	
Bedford.....	Maximum.....	77	77	68	61	72	81	87	88	83	79	79	75	67	79	76	73	74	80	85	88	91	91	91	84	85	89	90	88	86	90	.....	81.1	
	Minimum.....	56	61	56	55	64	45	49	62	56	55	41	56	56	59	56	65	61	61	51	70	60	61	65	70	53	52	58	76	65	67	.....	67.8	
Bethlehem.....	Maximum.....	69	70	78	73	60	81	88	89	89	76	78	63	61	58	56	67	65	69	62	69	68	70	67	61	65	61	66	72	73	73	.....	68.8	
	Minimum.....	54	57	56	54	54	55	56	69	51	57	63	55	51	58	56	67	65	69	62	69	68	70	67	61	65	61	66	72	73	73	.....	68.8	
Bloomsburg (near)....	Maximum.....	73	73	70	73	72	74	73	68	69	65	74	61	66	80	81	80	76	80	85	90	93	93	87	86	82	81	96	92	89	92	.....	79.0	
	Minimum.....	52	61	48	51	54	61	53	48	49	38	36	41	55	61	61	51	65	61	62	62	60	69	64	62	61	61	66	64	61	70	.....	56.2	
Brookville.....	Maximum.....	75	76	67	57	74	81	86	80	88	74	78	64	78	75	73	68	76	80	85	85	86	88	89	82	85	90	91	92	82	89	.....	79.6	
	Minimum.....	50	52	52	51	53	39	43	45	48	38	33	40	56	51	51	49	51	53	50	50	51	90	92	91	90	88	91	95	94	91	.....	59.2	
Butler.....	Maximum.....	81	80	79	68	80	86	88	86	81	78	76	63	61	77	75	73	75	83	89	91	90	92	93	83	82	82	90	94	91	87	.....	83.8	
	Minimum.....	55	60	60	56	56	44	55	56	51	52	38	49	58	52	57	57	50	60	49	54	56	57	53	62	52	51	63	60	68	68	.....	65.5	
Carlisle.....	Maximum.....	70	72	70	65	68	82	89	89	82	80	80	55	52	55	61	59	55	55	56	68	63	63	67	70	61	68	57	59	68	68	.....	58.0	
	Minimum.....	55	58	54	55	55	50	52	51	55	51	67	71	84	77	76	79	85	90	93	96	97	93	87	88	89	91	94	93	93	96	.....	83.4	
Chambersburg.....	Maximum.....	73	70	66	61	72	85	89	90	82	82	81	67	71	84	77	76	79	85	90	93	96	97	93	87	88	89	91	94	93	93	.....	79.4	
	Minimum.....	56	59	57	55	54	48	52	67	60	74	75	57	56	63	60	56	51	54	55	61	61	66	69	62	68	58	60	70	72	71	.....	59.4	
Claysville.....	Maximum.....	77	76	76	75	77	80	85	84	80	74	75	78	74	78	70	68	73	80	88	86	88	90	87	81	85	89	91	93	90	88	.....	81.3	
	Minimum.....	64	63	68	57	53	43	48	64	51	53	42	59	60	57	56	56	51	53	50	53	51	57	61	57	61	61	60	66	66	66	.....	56.3	
Clearfield.....	Maximum.....	76	80	69	59	77	81	88	83	77	78	77	65	79	77	77	71	75	82	86	88	90	92	88	87	85	92	93	95	87	92	.....	81.7	
	Minimum.....	55	60	51	52	52	42	45	59	48	38	34	50	55	56	51	53	51	52	47	56	56	55	59	63	60	50	57	60	61	67	.....	52.9	
Coatesville.....	Maximum.....	71	73	76	65	68	79	86	90	76	77	78	69	68	84	91	79	73	83	88	91	94	94	87	84	85	89	90	94	91	87	.....	81.6	
	Minimum.....	53	57	51	54	54	52	56	66	58	54	52	51	56	62	59	57	58	61	61	65	67	69	62	62	60	55	60	69	71	73	.....	59.2	
Corry.....	Maximum.....	78	76	74	69	76	82	86	72	69	71	74	65	79	72	73	69	75	82	85	86	89	90	94	82	85	91	92	93	89	81	.....	79.4	
	Minimum.....	56	48	51	53	53	43	50	58	44	39	36	50	51	57	51	53	47	46	49	53	52	56	62	50	51	51	62	63	63	66	.....	52.4	
Coudersport.....	Maximum.....	75	76	75	66	75	82	86	81	72	73	74	66	67	75	74	72	77	81	84	86	87	90	84	83	84	88	89	91	94	93	.....	79.5	
	Minimum.....	48	50	48	53	53	55	60	63	49	46	45	42	54	57	54	55	51	54	57	59	60	62	60	56	56	60	71	64	60	63	.....	55.5	
Donora*.....	Maximum.....	80	78	66	73	79	83	89	87	75	77	80	80	82	77	74	70	71	84	87	91	92	93	88	85	84	88	89	91	82	82	.....	83.2	
	Minimum.....	68	63	60	60	57	52	54	65	57	58	48	61	64	62	62	58	56	58	57	59	61	66	70	64	57	62	66	72	72	74	.....	61.5	
Ebensburg.....	Maximum.....	70	75	63	60	71	77	84	80	74	73	71	71	64	73	73	65	70	76	80	83	86	85	81	82	80	87	88	91	82	82	.....	76.7	
	Minimum.....	52	57	51	51	49	40	45	60	49	48	35	54	52	54	50	53	51	50	46	50	51	51	59	59	49	50	55	62	63	59	.....	52.0	
Emporium.....	Maximum.....	85	75	75	66	76	82	82	83	75	74	67	73	71	73	71	77	82	85	90	86	86	86	85	85	85	85	85	85	85	85	85		78.0
	Minimum.....	54	54	49	51	54	46	50	60	50	37	35	45	50	53	54	55	50	53	51	53	58	57	61	64	57	57	.....	92	94	97	.....	58.7	
Ephrata.....	Maximum.....	70	73	76	67	63	80	88	91	85	80	80	70	70	84	79	76	79	83	90	95	95	97	90	87	89	90	95	90	95	91	.....	83.4	
	Minimum.....	54	58	53	53	55	48	53	66	57	54	45	52	56	63	56	57	56	59	59	61	63	68	64	61	59	56	59	71	73	72	.....	58.7	
Erie*.....	Maximum.....	68	68	75	60	71	78	89	72	64	69	67	71	81	68	70	65	68	77	83	84	86	87	76	78	78	86	90	91	79	88	.....	76.2	
	Minimum.....	55	53	58	51	51	56	63	52	51	50	52	54	60	60	60	57	56	69	67	68	67	70	67	64	62	69	76	70	69	72	.....	60.7	
Franklin.....	Maximum.....	79	78	68	63	76	83	85	79	73	75	76	69	76	74	68	69	74	81	85	87	88	90	87	82	85	89	91	84	88	.....	79.7		
	Minimum.....	57	53	54	56	56	47	48	51	50	42	41	43	56	58	56	57	48	49	50	51	57	58	61	58	51	56	59	63	66	68	.....	54.1	
Freeland.....	Maximum.....	61	61	74	64	59	73	80	81	77	65	65	65	59	77	68	71	77	81	82	84	87	83	81	77	84	87	83	83	86	.....	75.1		
	Minimum.....	47	51	52	49	50	49	56	66	46	47	47	50	49	57	57	54	54	63	57	62	65	67	60	56	56	60	63	66	68	68	.....	56.4	
George School.....	Maximum.....	70	69	87	72	60	78	85	89	83	78	77	72	64	81	80	77	81	86	89	92	93	87	82	84	87	92	90	93	92	.....	81.7		
	Minimum.....	65	55	50	56	55	52	55	69	54	54	49	53	57	61	61	57	57	56	60	62													

Daily Temperatures for June, 1941—(continued)

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum...	73	74	75	71	61	78	85	88	87	76	75	75	64	83	82	79	76	86	89	89	91	93	93	83	85	88	92	92	90	93	82.2
Quakertown.....	Minimum...	53	56	53	51	54	46	48	65	53	51	40	40	54	61	53	52	52	55	55	55	59	63	61	61	55	53	56	68	73	69	55.6
Reading*.....	Maximum...	65	71	77	75	58	77	85	87	81	71	75	72	64	79	78	76	77	80	85	88	91	92	88	81	81	87	92	89	91	92	80.3
Retreat.....	Minimum...	54	55	47	53	53	47	49	66	52	52	44	50	54	60	52	52	42	56	54	58	59	64	64	59	56	52	50	69	70	69	55.4
Ridgway†.....	Maximum...	68	72	75	63	62	80	86	88	76	77	78	61	66	83	80	76	76	81	85	90	93	94	86	84	85	88	93	91	91	94	81.0
Scranton*.....	Minimum...	55	59	59	54	55	54	57	70	57	58	53	57	56	62	57	59	59	60	63	67	66	71	63	63	63	60	67	73	74	74	61.5
Selinsgrove.....	Maximum...	62	64	68	68	66	72	77	77	65	68	69	69	64	69	69	65	68	73	80	80	83	88	81	81	81	84	86	86	85	85	74.4
Somersett.....	Minimum...	50	52	51	53	54	56	49	44	40	43	40	46	54	61	56	57	57	56	56	58	59	57	64	61	55	58	60	65	68	69	55.0
Springs.....	Maximum...	77	75	71	60	74	82	86	81	73	74	72	61	79	75	69	64	76	80	84	86	88	89	87	82	85	89	90	92	81	88	79.0
State College*.....	Minimum...	55	52	49	52	53	42	44	50	45	41	39	43	55	54	53	52	47	50	45	50	54	58	57	59	48	50	55	57	63	65	51.1
Stroudsburg†.....	Maximum...	61	74	78	62	67	77	86	85	71	70	72	66	65	81	76	70	76	81	88	88	90	92	83	84	80	88	93	89	88	89	79.0
Towanda.....	Minimum...	52	57	51	55	55	50	51	63	52	47	46	55	55	61	58	59	56	58	57	61	62	62	65	63	59	56	68	70	73	71	58.3
Uniontown.....	Maximum...	68	78	78	72	74	76	86	86	85	74	75	73	72	81	77	74	84	81	88	90	91	92	88	84	84	92	93	92	90	92	82.3
Vandergrift*.....	Minimum...	42	53	57	53	59	46	54	65	51	47	40	40	56	62	59	51	54	57	55	58	60	61	66	63	58	54	59	62	69	70	56.1
Warren.....	Maximum...	72	77	66	65	70	75	79	79	76	73	70	65	73	73	67	63	68	75	77	85	81	85	81	77	78	82	87	87	85	86	75.9
Waynesburg.....	Minimum...	59	59	52	53	49	40	43	61	40	49	34	55	54	55	50	51	48	48	46	48	50	53	56	60	45	48	52	61	62	63	51.5
Wellsboro.....	Maximum...	72	73	59	69	67	73	80	76	72	73	71	60	69	70	67	58	62	72	78	81	82	84	85	78	78	82	85	84	82	83	74.2
West Chester.....	Minimum...	54	59	52	54	47	44	46	53	53	49	36	55	56	49	49	53	50	51	49	50	53	53	57	54	47	49	51	59	58	63	51.7
Wilkes-Barre†.....	Maximum...	73	69	67	58	72	83	86	82	75	75	75	60	66	76	70	68	72	79	85	89	91	91	90	85	82	90	91	92	85	90	78.9
Williamsport.....	Minimum...	56	60	54	53	49	49	54	65	51	49	46	55	54	59	58	58	51	54	56	58	60	63	68	62	59	57	65	69	69	69	57.8
York.....	Maximum...	60	75	80	60	63	80	87	87	74	76	75	67	62	79	80	74	80	82	88	90	92	93	81	86	86	89	93	90	92	89	80.3
	Minimum...	50	52	47	50	45	43	46	51	53	46	43	43	51	55	52	54	53	54	43	55	56	58	62	58	53	42	59	64	70	69	52.6

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. ‡ 1:30 a. m. to 1:30 p. m. †, ‡, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)				† Wind			Relative humidity		
	Mean	Highest.	Date	Lowest.	Date	Average hourly velocity	Maximum * velocity	Direction	Date	Percentage of sunshine
Erie.....	29.98	30.26	20	29.61	4	7.2	22	w.	7	66
Harrisburg.....	29.97	30.23	20	29.55	5	6.8	23	e.	23	67
Philadelphia.....	29.97	30.23	26	29.53	4	11.5	31	n	5	60
Pittsburgh.....	29.98	30.26	21	29.49	4	8.7	35	nw.	7	55
Reading.....	29.97	30.22	20	29.56	5	9.2	38	e.	23	68
Scranton.....	29.96	30.24	21	29.60	5	6.1	26	ne.	5	61

* For any five-minute period
‡ Local Noon.

† Corrected to true velocities.
‡ 4:00 P. M.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.....	Delaware.....	2.2	3.2	6	1.6	30	18
Easton.....	Delaware.....	1.6	3.0	7	0.8	1	22
Lehighton.....	Lehigh.....	3.3	4.2	6	2.9	1	9
Wilkes-Barre.....	Susquehanna.....	2.9	5.0	19	1.9	20	22
Williamsport.....	Susquehanna.....	3.1	6.8	7	0.6	29	20
Harrisburg.....	Susquehanna.....	3.8	5.3	7	3.3	29	17
Greensboro.....	Monongahela.....	13.3	35.8	5	10.4	29	80
Lock No. 4.....	Monongahela.....	14.4	37.5	5	10.8	30	30
Pittsburgh.....	Ohio.....	26.9	5	•	•	•	25
Midland.....	Ohio.....	33.8	5	•	•	•	30

* Pool stage.

† On other dates also.

ERRATA.

MAY, 1941: Page 26—At Clearfield days with .01 inch or more of precipitation should be 10; at Bethlehem total precipitation should be 1.31 inches, departure from normal should be -1.81 inches, number of days with .01 inch or more of precipitation should be 7. Page 27—At Bethlehem precipitation on the 28th should be .05, total for month should be 1.31 inch. Page 29—At Harrisburg minimum temperature on the 17th should be 53°.

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER
HARRISBURG, PA.

Vol. XLVI.

JULY, 1941

No. 7.

GENERAL SUMMARY.

Temperatures were again above normal, increasing the small accumulated average daily excess for the year to 0.2°. Sections showed little variation, except in the Southeast where the average was 76°, as compared to 73° in the Southwest, 72° in both the Lake Erie and Mountain sections, and 71° in the Plateau. Highest temperatures were reported during the first few days and the last week of the month. Many heat prostrations were reported, four deaths on July 2d and two on July 28th being attributed to this cause. Between these periods, temperatures were more seasonal and lowest readings were made on various days. The date on which absolute minima occurred, most generally, was the 21st. The record low for the month, 29°, established at West Bingham, Potter County, on July 5, 1927, was equalled at Coudersport.

Precipitation was above normal for the second time this year and the accumulated deficiency for the year was reduced 0.84 inch to 5.13 inches. Rainfall was frequent during the month and was well-distributed, only the extreme northwestern stations reporting amounts generally lower than normal. Consequently, the Lake Erie section had an average of 3.23 inches, whereas the Mountain average was 4.77 inches; Southeast, 5.25 inches; Plateau, 5.31 inches; and the Southwest, 5.37 inches. The rainfall reported at George School, 16.11 inches, set a new record for the State for July. The previous record for the month, 15.59 inches, was reported at Uniontown in 1896. The amount was also exceptional in that, in the period of record, only the measurements of 17.70 inches at York, in August, 1933, and 17.50 inches at Bloersville, in August, 1917, exceed it.

Thunderstorms, scattered throughout the month, were most general on the first and last few days. Lightning, hail, and notably violent winds caused widespread property and crop damage. In storms occurring early in the month, lightning killed two men, one at Berwick and the other at Indiana; started fires in the Southeast section; and killed some livestock. In the eastern part of the State strong winds unroofed buildings, blew down trees, and generally damaged property. Utilities suffered from the lightning, which struck equipment, and the wind, which blew down poles. On the 18th, a violent wind-storm uprooted small trees, broke and twisted off larger trees, and blocked roads with debris over an area approximately one-half mile wide and ten miles long in Potter County. During the closing days of the month, severe damage to property and crops, similar to that done by earlier storms, but on a much larger scale, resulted from a number of storms. Winds were of exceptional force, and several communities reported partial "blackouts" due to brief utility failures.

A tornado was reported at Mechanicsville, Bucks County, on the 30th. Traveling, in a path about one-fourth mile wide, for about one mile, it damaged property and crops, uprooted trees, and knocked down small buildings. Heavy rains in the area

caused the Newtown Creek to rise nine feet in one hour, flooding the business section and many cellars in Newtown, and inundating roads in the vicinity.

G. W. S.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 91 stations, was 73.1°, which is 0.9° above the 54-year normal for July. The highest monthly mean was 77.8° at Sharon, and the lowest was 65.0° at Mt. Pocono. Extremes ranged from a maximum of 104° at Marcus Hook on the 28th, to a minimum of 29° at Coudersport on the 21st. The greatest daily range in temperature was 52° at Coudersport on the 27th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 176 stations, was 5.11 inches, which is 0.84 inch above the 54-year normal for July. The greatest monthly amount was 16.11 inches at George School, and the least, 2.19 inches at Penn Line. The greatest amount for any 24 consecutive hours was 5.00 inches at Lancaster on the 1st.

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	69.2	97	38	3.45	.....	8	15	10	6
1889.....	71.6	96	39	6.80	.....	13	12	10	9
1890.....	70.7	101	33	3.52	.....	8	13	11	7
1891.....	67.8	97	34	6.32	.....	13	11	10	10
1892.....	73.1	103	38	3.93	.....	10	15	11	5
1893.....	72.1	102	36	3.15	.....	10	15	12	4
1894.....	73.8	103	31	2.32	.....	7	15	11	5
1895.....	69.1	102	34	3.24	.....	9	12	12	7
1896.....	72.8	98	40	6.89	.....	14	10	11	10
1897.....	73.4	103	41	6.26	.....	14	10	11	10
1898.....	74.8	107	33	3.36	.....	9	12	12	7
1899.....	72.3	101	35	3.91	.....	10	12	11	8
1900.....	74.0	104	35	4.86	.....	11	14	12	5
1901.....	76.4	107	45	3.88	.....	11	10	13	8
1902.....	71.8	99	41	6.04	.....	15	10	12	9
1903.....	71.2	98	35	5.36	.....	12	13	12	6
1904.....	70.6	99	34	4.68	.....	13	12	11	3
1905.....	72.6	99	39	4.87	.....	15	10	12	9
1906.....	71.3	95	38	4.31	.....	10	12	13	6
1907.....	71.5	96	34	3.84	.....	10	15	12	4
1908.....	73.9	104	39	4.81	.....	11	14	12	5
1909.....	69.7	98	34	2.14	.....	7	16	11	4
1910.....	72.8	99	41	2.42	.....	7	16	11	4
1911.....	73.7	105	36	2.81	.....	8	16	11	4
1912.....	71.3	100	36	5.29	.....	11	12	11	8
1913.....	71.8	101	40	4.16	.....	11	15	10	6
1914.....	71.3	101	38	4.19	.....	12	12	11	8
1915.....	70.7	98	40	5.28	.....	15	10	13	8
1916.....	74.3	98	37	4.45	.....	10	14	10	7
1917.....	72.1	105	40	4.33	.....	13	12	12	7
1918.....	70.1	99	35	3.05	.....	9	16	10	5
1919.....	72.6	104	34	5.90	.....	11	16	8	7
1920.....	69.5	96	33	4.37	.....	11	15	10	6
1921.....	75.9	104	45	4.13	.....	10	15	11	5
1922.....	71.9	98	38	3.68	.....	9	14	10	7
1923.....	71.0	100	32	4.24	.....	11	15	9	7
1924.....	69.7	97	34	3.42	.....	9	17	10	4
1925.....	70.5	101	32	5.57	.....	12	13	11	7
1926.....	71.8	105	35	3.82	.....	10	15	9	7
1927.....	71.7	100	29	4.97	.....	12	14	11	6
1928.....	72.8	96	40	5.44	.....	13	16	9	6
1929.....	71.8	99	33	2.81	.....	8	18	9	4
1930.....	73.0	106	33	2.23	.....	7	19	8	4
1931.....	75.2	105	39	5.28	.....	12	15	10	6
1932.....	72.0	100	36	3.39	.....	10	16	10	5
1933.....	72.5	104	35	4.26	.....	8	17	9	5
1934.....	75.5	107	40	4.01	.....	9	17	10	4
1935.....	75.0	104	42	5.63	.....	12	15	10	6
1936.....	73.5	111	37	2.88	.....	8	18	9	4
1937.....	72.4	101	37	4.47	.....	12	14	10	7
1938.....	72.2	100	40	4.81	.....	12	13	10	8
1939.....	71.7	100	36	3.12	.....	9	14	11	6
1940.....	72.3	105	33	3.25	.....	10	15	10	6
1941.....	73.1	104	29	5.11	.....	12	11	11	9
Period.....	72.2	111	29	4.27	.....	11	14	11	6

Climatological Data for July, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, 0.1 in. or more	Clear	Pt. cloudy			Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	260	29	74.6	+0.6	97	28	54	21 [†]	32	4.01	-0.60	0.89	0	16	10	19	2	s.	John A. Frick.
	Altoona.....	Blair.....	1,615	54	71.4	+0.4	95	27	47	21	32	8.19	+4.19	2.29	0	8	21	5	5	w.	Robert D. Goodfellow.
	Ardenmore.....	Montgomery.....	330	21	74.6	+0.2	98	28	57	21	26	7.00	+2.32	1.58	0	14	5	14	12	w.	H. L. Balderston.
	Arendtsville.....	Adams.....	710	19	74.8	+0.4	100	27 [†]	53	20	36	2.56	-1.32	0.99	0	9	12	12	7	w.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,100	9	73.9	+0.2	96	27	47	21	33	4.28	.....	1.00	0	12	11	8	12	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	450	55	75.6	+0.5	97	28	54	21	31	5.18	+0.62	1.48	0	14	14	14	3	w.	Lehigh University.
	Bloomsburg (near).....	Columbia.....	560	15	74.0	.....	95	25 [†]	46	10	41	3.45	.....	1.00	0	13	9	14	8	w.	Benj. F. Conner.
	Carlisle.....	Cumberland.....	473	72	75.3	.....	101	28	52	21	37	3.48	-0.35	1.30	0	9	16	7	8	s.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	600	44	76.3	+1.5	101	28	53	21 [†]	37	4.62	+0.52	1.70	0	10	10	15	6	w.	William B. Spear.
	Clearfield.....	Clearfield.....	1,260	40	71.6	+0.2	98	27	44	21	41	4.21	-0.35	1.50	0	10	18	7	6	ne.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	431	54	75.6	+0.9	101	28	57	4 [†]	32	3.29	-1.27	1.40	0	9	9	5	17	sw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	630	29	72.4	+0.2	97	28	51	21	32	3.31	-0.97	1.32	0	8	15	8	8	s.	Wm. A. Korer.
	Emporium.....	Cameron.....	1,050	56	69.8 [†]	0.0	96 [†]	27	44 [†]	21	40 [†]	4.32	+1.10	1.32	0	13	11 [†]	0 [†]	13 [†]	w.	U. S. Weather Bureau.
	Ephrata.....	Lancaster.....	365	44	75.9	+1.0	102	28	54	21	37	4.32	-0.06	1.25	0	9	10	10	11	sw.	E. M. Poorman.
	Freeland.....	Luzerne.....	1,900	48	70.6	+1.3	91	27	53	9	30	6.26	+1.35	1.70	0	10	5 [†]	1 [†]	24 [†]	w.	Ira J. Keith.
	George School.....	Bucks.....	160	35	74.2	0.0	97	2	57	4	30	16.11	+11.68	4.77	0	16	14	9	8	s.	Andrew B. Evansha.
	Gettysburg.....	Adams.....	553	68	75.7	+1.1	101	28	56	21	35	3.23	-1.13	1.47	0	11	11	10	10	w.	Prof. N. W. Swayne.
	Gordon.....	Schuylkill.....	900	37	71.7	+1.2	95	27	43	21	43	3.45	-1.41	0.90	0	10	13	7	11	w.	Dr. Henry Stewart.
	Gouldsboro.....	Wayne.....	1,890	26	69.6	+4.8	89	1 [†]	41	10	39	3.33	-1.12	1.19	0	10	23	2	12	sw.	Miss Sallie M. Johnson.
	Hanover.....	York.....	600	37	76.0	+0.2	100	28	57	21	28	3.02	-1.17	1.46	0	9	12	7	12	sw.	Steward W. Eilenberger.
	Harrisburg.....	Dauphin.....	357	72	76.1	+1.3	99	28	55	22	35	2.80	-1.03	1.57	0	8	5	8	15	w.	Thomas V. Cooper.
	Hawley.....	Wayne.....	900	23	71.2	+0.9	96	28 [†]	42	21	45	3.39	+0.61	0.79	0	12	17	9	5	sw.	U. S. Weather Bureau.
	Holtwood.....	Lancaster.....	290	26	77.4	+0.4	98	28	61	21	25	3.89	+0.12	1.20	0	13	10	8	13	s.	Mrs. Della M. Pennell.
	Huntingdon.....	Huntingdon.....	700	54	72.9	+0.5	99	28	48	21	37	5.25	+1.19	1.06	0	11	12	12	7	w.	Penna. Water & Power Co.
	Kyertown.....	Clearfield.....	1,700	12	69.6	-0.3	95	27	45	21	35	4.46	+0.78	1.76	0	12	2	13	16	se.	Prof. Paul R. Yoder.
	Lancaster.....	Lancaster.....	280	54	74.8	+0.7	99	28	54	21 [†]	33	9.48	+5.20	5.00	0	10	16	12	3	sw.	U. S. Weather Bureau.
	Lawrenceville.....	Tioga.....	996	44	72.6	+2.2	99	27	39	10	51	5.83	+1.73	1.15	0	10	18	9	4	.....	Supt. of Water Works
	Lebanon.....	Lebanon.....	169	57	75.2	+1.1	102	28	53	6 [†]	38	3.52	-1.05	1.29	0	10	18	9	4	sw.	C. P. Darling.
	Lewistown.....	Mifflin.....	480	3	74.9	.....	99	28	53	21	33	6.29	.....	1.75	0	11	10	6	15	e.	Lebanon Valley Gas
	Lock Haven.....	Clinton.....	554	51	71.4	-2.2	100	27	49	10 [†]	42	4.54	+0.54	0.91	0	13	7	15	9	nw.	Penna. Edison Co.
	Marcus Hook.....	Delaware.....	50	15	78.6	-0.4	104	28	60	4	29	4.37	+0.21	1.50	0	13	17	8	6	sw.	E. A. McGill.
	Montrose.....	Susquehanna.....	1,656	36	69.7	+1.5	93	27	50	21	32	8.37	+4.27	2.03	0	16	9	12	10	sw.	Sun Oil Co.
Mt. Pocono.....	Monroe.....	1,740	35	65.0	-0.7	85	26 [†]	44	10	34	3.61	-0.86	0.65	0	15	17	6	8	w.	Harry S. Fancher.	
Muncy Valley.....	Sullivan.....	864	29	69.2	-0.6	96	27	44	10	43	6.96	+2.28	1.38	0	14	19	8	4	w.	Cecil J. Hoskinson.	
Neshaminy Falls.....	Bucks.....	80	52	.....	.....	99	28	51	15 [†]		12.65	+8.18	2.70	0	13	16	3	12	sw.	H. O. Hacker.	
New Bloomfield.....	Perry.....	679	3	72.8	.....	100	27 [†]	46	21	44	2.99	.....	0.94	0	7	13	12	4	w.	Philadelphia Sub. Water Co.	
Palmerton.....	Carbon.....	420	23	74.4	+0.9	99	27	49	21	40	4.78	+0.30	1.08	0	14	3	16	12	sw.	J. Earl Sheaffer.	
Philadelphia.....	Philadelphia.....	26	70	76.4	+0.2	97	2	61	3	21	5.60	+1.45	2.83	0	13	5	14	12	sw.	New Jersey Zinc Co.	
Phila. Navy Yard.....	Philadelphia.....	20	25	77.4	+0.9	100	2	62	3 [†]	27	11.94	+7.34	3.20	0	15	6	7	18	sw.	U. S. Weather Bureau.	
Pottsville.....	Chester.....	100	31	75.9	+0.3	100	2	55	10 [†]	33	7.24	+2.28	2.36	0	16	13	11	7	w.	Navy Aerological Office.	
Port Clinton.....	Schuylkill.....	430	3	73.4	-0.1	98	28	47	21	39	4.64	-0.26	0.82	0	13	21	2	7 [†]	n.	Philadelphia Sub. Water Co.	
Quakertown.....	Bucks.....	480	56	72.8	+0.2	96	1	45	21	37	4.03	-0.65	1.01	0	16	9	10	12	s.	E. E. Karick.	
Reading.....	Berks.....	273	71	76.0	+0.6	99	28	59	21	28	4.73	+0.47	1.41	0	14	6	11	14	s.	John E. Benner.	
Scranton.....	Lackawanna.....	746	47	73.8	+2.1	96	25	51	21	34	3.45	-0.58	1.33	0	15	7	15	9	sw.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	420	51	74.5	+1.1	98	28	50	21	39	3.83	-0.21	0.91	0	15	9	15	7	sw.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	45	76.0	-0.5	97	2 [†]	58	10 [†]	29	8.18	+3.89	1.90	0	12	8	10	13	s.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	8	74.8	.....	99	27 [†]	52	21	36	3.71	.....	1.23	0	9	7	15	9	sw.	State Teachers College.	
State College.....	Centre.....	1,217	57	72.8	+3.3	97	27	50	21	35	4.66	+0.80	0.96	0	11	2	17	12	s.	Penna. State College.	
Stroudsburg.....	Monroe.....	400	27	.....	.....	98	27	.....	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	.....	Metropolitan-Edison Co.	
Towanda.....	Bradford.....	754	47	72.2	+1.7	97	25 [†]	44	10	44	2.69	-1.11	0.56	0	16	8	10	10	ne.	Mrs. M. Ordella Parks.	
Wellsboro.....	Trumbull.....	1,319	71	69.9	+1.0	95	27	39	10	47	4.31	+0.21	0.70	0	13	11	13	7	w.	George W. Hill.	
West Chester.....	Chester.....	440	92	74.6 ^h	+0.2	98 ^h	28	52 ^h	20	32 ^h	3.88	-0.76	1.53	0	11	15	11	5	sw.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	514	3	72.8	.....	95 ^h	1 [†]	47	21	37	3.60	-0.47	0.87	0	12	7	13	11	n.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	542	55	73.6	+0.3	98	27	44	10	43	3.51	-0.33	1.26	0	10	16	13	2	w.	John D. McEwen.	
Williamstown.....	Dauphin.....	1,275	26	72.8	+0.1	98	27	50	6	33	4.33	-1.09	1.88	0	10	11	14	6	se.	Susquehanna Collieries Co.	
York.....	York.....	400	53	75.6	+1.1	101	27	52	21	41	3.14	-1.08	1.69	0	10	13	14	4	s.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	51	68.9	+0.9	94	27	40	21	43	7.39	+3.23	2.12	0	10	5	7	19	.....	Frank S. Fawcett.
	Butler.....	Butler.....	1,077	28	73.4	+1.0	96	26 [†]	45	20	37	7.26	+2.85	2.54	0	8	14	14	3	s.	William C. Faust.
	Claysville.....	Washington.....	1,150	36	72.6	-0.6	95	26 [†]	45	9 [†]	35	4.19	-0.06	0.76	0	14	19	5	7	s.	J. L. Melvin.
	Corry.....	Erie.....	1,430	28	70.4	+1.3	99	27	40	21	41	2.62	-0.78	0.92	0	11	6	8	17	w.	Pennsylvania Electric Co.
	Coudersport.....	Potter.....	1,665	14	67.5	-0.5	98	27	29	21	52	6.72	+2.65	1.52	0	15	16	8	7	sw.	Philip R. Shaw.
	Derry.....	Westmoreland.....	1,172	44	74.0	+1.3	94	27 [†]	47	21	36	4.97	+0.50	2.35	0	7	13				

Daily Precipitation for July, 1941

Stations	Drainage Basin	Day of month																															Total			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Atlantic Drainage																																				
Allentown ²	Lehigh	.62	.11		.89	.29			.21	.25	.15				.17				.12	.08	.01	.03							.05		.19	.12	.76	4.01		
Altoona	Juniata			2.01	1.25			T.	.68				.22									1.56								.38	.63	2.29	.63	8.19		
Ansonia ²	W. Br. Susq.	.07			.47	.01			.01	.40				.27	.49					1.47										.36	.64	.34	.78	6.87		
Ardmore ²	Lower Del.	.28	.02	.58				1.06	1.58	.33			.26							1.26	.23		.02							.64	.02	.42	.39	7.00		
Arendtsville ²	Lower Susq.	.29	.06	.99	.67	T.		.19	.03				.04	T.																				2.66		
Baker's Summit	Juniata	.06		.98	.87								.04	.14				.01	.06			.10									.44	.80	1.35	5.13		
Bald Eagle ¹	Middle Susq.	.20	.02	2.04	.60			.08	.33				1.19					.09		.05		.05									.19	.05	.22		5.11	
Bellfield ²	Juniata		T.	.30	1.00	.30	T.	.26	.35	T.			.10	.57	T.				.19		.15									.32		.32	.42	4.28		
Bellefonte ²	W. Br. Susq.	.09	.41		1.14	.19			.03	1.23	.03			.45	T.			.06		.09											T.	.30	.62	4.53		
Berwindale ¹	W. Br. Susq.	.03		.48	.45			.16	.82				.09	.02					.11	.07											.03	.09	.46		2.81	
Bethlehem	Lehigh	1.48	T.	.03	1.08			.20	.15	.28				.05				.73		.16	.21									T.	.06	.15	.15	.45	5.18	
Bloomsburg (nr.) ²	Susquehanna	.26	.08		1.00	.08		.04	.34	.10			.48					T.												.03	.37	.30	.10	.27	3.45	
Blossville	Lower Susq.	.02	1.38	1.15			.05	T.	.32				.73						T.												.09		.40	.12	4.26	
Buffalo Mills ²	Potomac	.11		.31	.97	.57		.13	.40				.23					.54		.17											.28	.48		4.19		
Carlisle	Lower Susq.		T.	.81	1.30			.07	.01	.57			.15	T.						T.											.05	T.	.47	.02	3.48	
Carter Camp	W. Br. Susq.			.04	.64			.89	.01				.81	1.05				.61	.03	1.21	.39									.11	.06	.35	.05	6.28		
Centre Hall	Susquehanna	.03	.02	.15	.88			.32	.08				.05	.58				.03			.12									.07		.84	.72	3.89		
Chambersburg ²	Potomac	.48	.33	1.70	.53	T.		.20	.18				.27	.20								T.										.60	.33		4.52	
Clearfield ²	W. Br. Susq.				.60	.14			.15	1.50	.18		.08					.38		.15												.36	.67		4.21	
Coatesville	Lower Del.	.40	.60	1.40				.33										.35	.06	.05											.05			.05	3.29	
Colebrook	Lower Susq.	.06	.11	1.19	1.32			.11		.06			T.	T.				.02		T.											T.		.45		3.31	
Conshohocken	Schuylkill				1.94	.21	.08	.82	.38				.05					.59	.11		.01										1.13	.71			6.37	
Covington ²	N. Br. Susq.	.12	.23		.20	.05			.14				.99	.05				.50		.85											.10		.45	.20	.23	4.02
Doylstown	Lower Del.	.38		.90	1.71	.04	.18	.14	.06				.25	.32				.39	.09	T.	.02										.41	.09	.63	.62	6.13	
Driftwood ¹	W. Br. Susq.	.13		.05	.60			.64	.04				.54	.08				.16		1.10	.28										.51	.95	.27	.10	5.45	
Du Bois	W. Br. Susq.	.12		.02	.49			.17	.52				.08	.15				.02	T.	.63		1.42									T.	T.	1.48	.14	5.24	
East Waterford ¹	Juniata		T.	.01	.99	.36		.01	.01				.40	T.				.42		1.01		.01										.09	.05	.47	3.40	
Emporium ²	W. Br. Susq.	.28		.18	.77			.69	.01	*	*		.03	.33					.42		1.32		.50									.50	1.14	.38	6.51	
English Center ¹	Lower Susq.	.28		.18	.77			.69	.01	*	*		.03	.33					.42		1.32		.50								.45	.21	.12	*	.33	4.99
Ephrata	W. Br. Susq.	.60	.91	1.03	1.25	.01	.23		.09				*	*	*			.08		.15											T.		.38	.42	6.32	
Fredericksburg ²	Schuylkill	.11	2.08	.26	.98	.32		.26	.22				.01	.73				.33	.03		.01										T.	.45	.38	.42	6.62	
Freeland ²	Lehigh	.42	.18		.48	.23		.09	1.17				.08					.52		1.12											1.70	.15	1.70		6.26	
Galeton	N. Br. Susq.	.05		.63			.01	.53	.63				.84	.25				.52		1.12											.35	.02	.38	.30	5.63	
George School	Lower Del.			1.15	1.77	.06	.15	1.89	.22				.58					.33	.90	.03	.11										.22	.17	1.23	2.95	16.11	
Jettysburg	Potomac	.11	.23	1.47	.03	.14	.01						.01	.20					.25		.12											.88	.01	.33	2.33	
Jordon	Lower Susq.	.25	.05	.96		.05	T.	.35					.16	.75				.11	.09	T.											.50		.25	.16	3.45	
Joulesboro ²	Lehigh	.23	T.	.11	.49	.18		.03	1.19				T.	.37				.11	.09	T.											T.		.33	T.	.40	3.33
Kraterford	Schuylkill	.14		.11	.81	.91	.83	.42					T.					.83													.21	.23		.96	7.48	
Manover	Lower Susq.		T.	.17	1.46	T.	.13	T.	.04				T.	.57	T.			.02			.03										T.	.01	.28	T.	3.02	
Marrsburg ²	Lower Susq.	.17	.80	1.09		.05	.36	T.					.04					.02			T.											T.	.01	.28	T.	3.02
Mawley ²	Upper Del.	.19	.02		.48	.14		.05	.42	T.			T.	T.				.04	.36												.06	.67	.17	.79	3.39	
Hollisterville ²	Upper Del.	.14			.41	.08	.03	.02	.62				.51					.07	.02												T.	T.			3.89	
Holtwood ²	Lower Susq.			1.12	1.20	.29	.03	.20	T.				.06	.01				.11	.36			.21										.10	.07	.13	3.59	
Huntingdon	Juniata	.03		.93	1.06			.37					.73	.18				.77	T.	.36	.10											.14	.70	.19	5.25	
Huntsdale ¹	Lower Susq.	.29	.12	.84			.02	.03					.10						.01	.18	.01											.12	.05	.34		2.91
Lyndman ²	Potomac	.07		T.	.24	1.30		.16	.22				T.					.01	.18	.01												T.	.24	.18	.18	4.77
Kylertown ^{5**1}	W. Br. Susq.		.40	.48		.02	1.76	T.					.16	T.				.01	.18	.01											.10	.22	1.11	T.	4.46	
Lakeville ²	Upper Del.		T.	.55	.13		.06	.46			.02	T.	.18					.04	.21													T.	.48	.44	.97	3.64
Lancaster	Lower Susq.	5.00	.06	2.34	1.59	.06	.24		.34	.45			.15	.52				.13			.09											.67	.05	.55	.82	9.48
Lansford ²	Lehigh	.65		.67	.23		.24	.34	.45				.15	.52																						

Daily Precipitation for July, 1941—Continued from page 39

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Scranton ¹	N. Br. Susq.	.02	.02	.18	.31		.06	.04	.49			.20	T.				.16		.01				T.		.04		.01	.58		.98	.35	3.45		
Schuylkill ²	Lower Susq.	.19	.70	.12	.91	.01	.02	.11	.36			.12		.41			.05		.24									.16	.03	.48	.16	3.83		
Sellersville ²	Lower Del.		.15	.49	.92		.19					.03	.40															.36		1.09		3.87		
Shade Gap ¹	Middle Susq.	.01	.13	1.10	.58			.05				.20									.04									.17	.46	2.74		
Shawmont ²	Schuylkill	.93		.29	1.14	.04	.19	1.90	.05			.23		T.				1.03	.16											T.	.87	8.18		
Shippensburg ²	Lower Susq.	T.	.52	.80	1.23	.03	.04		.22			.15	T.				T.								T.					.40	.32	3.71		
South Mountain ²	Potomac		.56	1.09	.78	.58	.01	.06	.03			.01	T.								T.	.68									.94	.15	4.29	
State College ²	W. Br. Susq.	.48	T.	.96	.65			.71	.01			.76	.03			T.	.02	T.	T.		.06								T.	.41	.54	4.66		
Stroudsburg ²	Upper Del.																																	
Sunbury ²	Lower Susq.	T.	.94		.60	.35		.03	.48	T.		.12	.30				.03	T.							T.					.44	.20	1.07	4.56	
Susquehanna ²	N. Br. Susq.	.25	1.20		.09	.09		.08	.03								.32				.60								.14	1.14	.09	.89	4.92	
Towanda ²	N. Br. Susq.	.14	.01	.07	.52			.02	.05			.17	.03	.01			.42				.56								.03	.11	.36	.03	2.69	
Wellsboro ²	N. Br. Susq.		.07		.34	.09			.20				1.07	.05			.48	T.	.49								.02		.09	.15	.14	.22	3.41	
Wernersville ² , [nr]	Schuylkill	.16	.84	2.02		1.21		.08	.08								.25	.04		.01									.37		.20		5.26	
West Chester ²	Lower Del.	T.	.24	.50	1.53	T.	.58	.32	.18			.04					.21	.10										.05				.13	3.88	
Westgrove ²	Lower Del.		.20	.08	.30	.32		.48	.08								.20	.43				.05									.06		4.00	
Wilkes-Barre ^{5**}	N. Br. Susq.	T.		.28	.46		.04	.63	.01			.03	.40				.01	T.					T.	T.		.02			.78		.87	.07	3.60	
Williamsport ²	W. Br. Susq.	.38		1.20	.11			.58				.21	T.				T.				.22								.03	.43	.06	.23	3.51	
Williamstown ²	Lower Susq.	T.	.23	.09	1.26		.02	.09	.05			.15	.06				T.				T.								.50		.88	.43	4.33	
York ²	Lower Susq.	.23	.67	1.69	.06	.16	.01		.05								.07												.02		.21	.02	3.14	
York Haven ²	Lower Susq.		.13	1.61	.48		.21	.06									.14													.14	.06	2.69		
Zionsville (near)	Schuylkill	.35	.03	.23	1.11	.13	.26	.13	.08					.42			.17	.25	.05											.20	.30	.55	4.26	
Frenton, N. J. ¹	Lower Del.	T.	.05	3.00	1.45		.44	.97	.28			.36	.36			T.		.51	.23	.03	T.								.31		2.20	T.	19.19	
Ohio Drainage																																		
Acmetonia ²	Allegheny			1.17	.04			.33					1.13				.93	1.14			.46	.08								T.	.31	5.59		
Beaver Falls ²	Beaver	T.		.46	T.		T.	.45					.66				.43	T.	.09		.40	.09	T.					T.		.08	.03	6.29		
Blairsville ²	Allegheny		.04	1.51	.23		.08	.29	.04				T.				.01	.18	.03		.13	T.					.25		T.	1.08	1.71	5.58		
Bradford ²	Allegheny	.21	.35				.06	.32					.08	.11				1.02		.74	.08								.01	.05	.52	.01	3.66	
Brookville ²	Allegheny			.52	.05		.18	.53	.06									.06	.66		2.12	T.								T.	1.82	1.39	7.39	
Buckstown ¹	Allegheny	.09	1.03	.46		.05	.20	.03									.01	.32	.03	.05	.06						.14		.04	.03	.99	.06	3.59	
Butler ²	Ohio			.62	.01	T.	1.00						.70		.28		.04	.01			2.54										.86	1.25	7.26	
Clarion ²	Allegheny	.15		.49			.02	.27													2.07								.01	.40	1.08	1.91	6.45	
Claysville ²	Ohio	T.	.11	.76	.65	.03	.29	.27	.13								T.		.08	.33							.13	.16	.51	.34	.02	6.55		
Coudersport ²	Allegheny		.12	1.26	.53		.35	.40	T.								T.		.05	T.	.24	.06						.12		.21	.28	3.96		
Councilbluffs ²	Monongahela		.38	1.02	.37		.32	.35					.01				T.	.22	T.	.14	T.						T.	1.00	.21	1.91	.50	6.43		
Coraopolis ²	Ohio		.70	T.			.04	.06					.15				.89	.21	T.	.95	.01										.61	.35	3.97	
Corry ²	Allegheny	.04	.10		.02			.60					.06					.92		.32	.12									.09	.13	.22	6.62	
Coudersport ²	Allegheny	.21	.27		.41		.62	.41				.19	.41				.05	1.52		1.28							.04		.26	.60	.34	.05	6.72	
Derry ²	Conemaugh		.23	.35	.64	T.	.06										.41	T.			.69										.49	.90	4.97	
Donora ²	Monongahela		.03	2.08	.16		T.	.25									.22	.10		.16									.05	1.18	.80	.26	5.29	
Dunfoll ²	Allegheny		.12	.47		.10	.23						.08	.04			.03				.07										.79		5.18	
Ebensburg ²	Conemaugh	T.		1.43	.82	.02	.38	.17	.18			.12					T.	.31			.07												5.55	
Franklin ²	Allegheny	.02		.38			.95						.16				T.		.04		.68										2.78	.66	5.67	
Greensburg ²	Monongahela		.20	1.95	.36		.50	.53					T.	T.			.50	.03	.04	.24	T.							.07	.04	.22	.54	.30	7.35	
Greensburg ²	Allegheny	T.	1.29	.78		.02	.16	.02					T.	T.			.50	.03	.04	.24	T.								.07	.04	.22	.54	.30	7.35
Greenville ²	Beaver			.01			1.03		.01				T.	.33			.37	.13	1.43	.05									.08		.20	.43		3.99
Grove City ²	Beaver			.10			.37	.34					.03				.04	.37	* 1.25		.37										.87	.50	1.79	5.66
Indiana ²	Allegheny		T.	.27	.95	T.	.43	.20	.07				.22				T.	.13	.05	.20	T.	.05				.09					.44	.12	4.12	
Irwin ²	Monongahela		T.	.30	.50	.62	T.	.48	.02				.03	.01			.59	.19	.06	.16								.66	.66	T.	.34	T.	1.76	5.55
Johnstown ²	Conemaugh	.05		2.12	.91		.36	.21	.03				.03	.01			.13	.19	.07	.08							.11		.01		1.70	.46	6.47	
Kane Airway Sta ^{**}	Allegheny	.03		.16	.34		T.	1.01	.01				.14				1.24		1.02	.08									.07	2.13	.16	.18	6.57	
Lake Lynn ²	Monongahela			1.14	1.60	.38		.40	.56	.01								.44			.10									.25	.42		5.83	
Lock No. 42 ²	Monongahela	T.		.62	1.39	.10		.15	.04				.02				.02	.15		.18								.11			.85	.52	4.11	
Lock No. 52 ²	Allegheny			.10	.03			.41					1.0																					

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Daily Temperatures for July, 1941—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Port Clinton.....	Maximum.....	97	95	91	69	79	78	79	83	83	86	86	86	85	83	80	81	85	85	84	82	81	86	86	88	91	94	95	98	81	91	93	85.8		
	Minimum.....	62	67	66	61	56	53	62	67	57	49	68	71	67	57	55	58	66	56	70	53	47	49	42	60	60	67	56	68	67	67	67	61.0		
Quakertown.....	Maximum.....	96	95	85	63	79	75	81	85	80	84	87	86	84	80	79	81	82	79	84	81	82	86	88	88	91	92	93	95	89	88	85	84.5		
	Minimum.....	69	61	59	58	57	52	68	70	55	49	64	70	65	60	52	54	64	64	72	54	45	50	62	61	65	65	59	68	66	64	69	61.0		
Reading*.....	Maximum.....	96	96	74	65	80	73	82	84	81	87	87	87	81	82	82	83	86	84	87	82	82	85	87	88	92	95	94	99	82	92	89	85.3		
	Minimum.....	73	68	61	61	61	61	70	68	62	59	60	72	69	65	62	62	68	65	71	63	59	60	70	69	67	73	69	74	72	69	72	66.6		
Retreat.....	Maximum.....	85	90	88	68	80	76	79	80	78	82	80	85	81	83	81	81	82	83	80	77	78	83	85	86	92	88	91	88	82	87	82	82.7		
	Minimum.....	69	68	66	60	56	54	67	62	53	51	61	67	66	57	58	57	70	52	73	57	47	53	61	62	63	66	57	66	65	69	69	61.4		
Ridgway†.....	Maximum.....	89	89	78	72	81	78	79	73	77	84	85	84	81	83	80	88	76	84	72	72	77	78	83	85	91	94	91	85	90	88	81	83.0		
	Minimum.....	66	64	60	58	52	51	63	57	44	44	49	58	58	46	54	54	60	45	51	47	41	45	53	57	57	61	58	56	64	68	67	55.2		
Scranton*.....	Maximum.....	94	93	78	66	83	74	81	80	80	86	86	84	84	83	85	81	84	83	75	79	85	87	92	96	90	94	91	84	84	83	84.0			
	Minimum.....	72	72	66	61	59	55	66	68	58	52	65	71	68	61	60	61	63	55	66	57	51	59	67	65	65	68	61	69	68	69	71	63.5		
Selinsgrove.....	Maximum.....	96	93	90	69	80	73	80	82	82	85	82	86	83	83	84	81	85	86	84	81	82	85	86	88	95	94	97	98	90	91	85	85.7		
	Minimum.....	71	69	68	62	58	55	68	65	56	51	66	66	67	58	59	65	69	70	72	52	50	54	62	61	62	70	58	70	69	70	69	63.3		
Somerset.....	Maximum.....	89	86	70	68	71	73	78	76	75	81	81	79	76	78	79	73	82	79	73	78	78	80	82	86	92	87	93	91	88	87	85	80.4		
	Minimum.....	64	69	64	61	55	59	57	56	43	42	56	63	60	58	61	60	63	46	62	49	41	47	53	57	57	61	59	68	67	68	67	57.6		
Springs.....	Maximum.....	88	87	77	66	76	72	75	72	72	80	80	81	77	74	78	80	74	80	72	71	73	78	78	82	83	85	88	87	85	84	79	78.2		
	Minimum.....	67	66	61	57	55	60	58	60	44	44	56	64	60	54	59	56	60	48	61	50	44	47	54	56	54	65	59	66	67	66	66	57.6		
State College*.....	Maximum.....	90	92	77	64	79	74	78	79	78	85	85	86	80	83	82	81	82	85	77	77	81	84	84	87	95	91	97	96	88	89	85	83.6		
	Minimum.....	69	70	65	61	56	63	66	63	55	54	62	66	65	57	61	64	64	54	61	56	50	55	60	61	63	68	62	65	72	66	66	61.9		
Stroudsburg†.....	Maximum.....																																		
	Minimum.....																																		
Towanda.....	Maximum.....	95	93	78	71	85	81	83	82	80	87	86	82	84	87	85	85	82	84	80	75	89	87	86	93	97	89	97	94	87	90	85	85.5		
	Minimum.....	67	69	62	59	51	51	68	61	53	44	56	66	65	53	53	58	61	48	61	50	41	61	62	57	62	58	53	68	65	71	68	58.9		
Uniontown.....	Maximum.....	94	91	75	70	75	79	78	78	83	85	86	83	82	84	86	80	84	83	83	83	83	87	89	91	94	93	91	94	93	91	90	88	83.7	
	Minimum.....	75	70	70	65	60	65	67	65	52	53	64	71	67	63	68	69	66	56	65	61	62	55	63	65	66	68	68	73	72	70	71	65.0		
Vandergrift*.....	Maximum.....	96	94	78	69	82	83	82	80	84	88	89	88	85	89	80	96	84	84	78	79	89	87	88	91	96	96	99	100	97	97	94	87.5		
	Minimum.....	73	71	67	60	57	60	64	56	50	55	61	64	55	60	63	64	64	63	62	56	52	0	61	64	61	68	68	59	70	68	68	61.7		
Warren.....	Maximum.....	89	85	89	75	83	81	82	70	78	84	82	84	80	81	80	87	75	83	70	72	78	82	86	91	94	92	95	90	90	90	79	82.8		
	Minimum.....	70	66	58	60	51	56	61	60	47	45	58	60	60	50	58	60	60	46	58	51	43	53	58	60	64	65	60	66	65	69	68	58.5		
Waynesburg.....	Maximum.....	94	92	87	70	79	79	77	79	84	85	86	84	85	83	87	81	85	81	77	78	85	85	91	93	95	97	95	92	92	87	85.3			
	Minimum.....	72	70	67	63	58	60	68	63	49	51	61	68	64	67	67	65	65	52	64	59	48	51	59	60	63	64	66	70	70	70	70	62.7		
Wellsboro†.....	Maximum.....	94	91	74	72	84	78	80	79	78	86	86	80	81	84	82	83	78	81	76	73	79	85	84	91	94	88	95	90	88	91	86	83.7		
	Minimum.....	65	66	56	57	52	49	66	58	48	39	52	62	62	47	52	60	61	48	54	47	43	50	57	55	59	62	53	64	65	68	61	56.1		
West Chester.....	Maximum.....	96	97	75	65	85	79	81	87	80	87	85	88	85	81	81	83	85	87	86	82	81	85	85	86	89	92	94	98	82	89	87	86.0 ^b		
	Minimum.....	71	73	59	58	58	68	71	58	57	65	65	66	65	59	58	66	59	66	57	56	57	64	63	0	70	65	72	68	57	63	63.1 ¹			
Wilkes-Barre†.....	Maximum.....	95	94	74	65	85	74	82	82	81	87	83	89	87	83	85	85	84	84	83	77	82	87	88	91	95	92	94	92	85	88	85	85.1		
	Minimum.....	70	68	64	57	56	54	65	64	54	50	66	69	64	59	57	62	57	52	55	50	47	55	64	63	64	63	57	67	66	69	68	60.5		
Williamsport.....	Maximum.....	96	96	86	69	83	71	85	84	83	87	86	90	86	87	84	82	85	85	81	81	87	87	90	97	93	98	95	87	87	92	86.5			
	Minimum.....	70	69	65	61	58	56	67	60	54	44	58	67	66	55	61	62	60	50	62	53	48	56	63	59	63	68	58	63	67	72	71	60.8		
Williamstown.....	Maximum.....	94	94	86	70	82	79	77	78	78	84	84	82	88	79	80	78	82	83	84	87	80	85	85	88	91	91	98	96	84	89	89	84.6		
	Minimum.....	67	67	59	52	52	50	56	63	52	54	62	63	60	58	53	62	67	61	60	58	55	61	64	65	67	74	65	65	66	64	67	60.9		
York.....	Maximum.....	99	98	82	67	81	77	82	85	84	90	89	96	84	84	85	85	89	88	88	86	83	88	87	90	93	97	101	99	86	90	91	87.7		
	Minimum.....	69	71	65	61	60	59	69	72	53	55	67	68	67	57	55	62	69	60	73	55	52	54	59	61	61	69	60	73	71	70	72	63.5		

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date ‡ 1:30 a. m. to 1:30 a. m. °, °, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure: (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	29.96	30.24	14	29.54	14	7.0	24	se.	18	77	58	69	64
Harrisburg.....	29.96	30.20	14	29.66	30	7.1	32	sw.	30	80	51	62	69
Philadelphia.....	29.97	30.22	6	29.67	30	11.3	52	n.	28	83	59	74	50
Pittsburgh.....	29.97	30.23	21	29.64	18	8.7	34	nw.	30	83	55	64	55
Reading.....	29.96	30.20	14	29.65	30	9.0	50	nw.	2	76	53	65	55
Scranton.....	29.97	30.24	14	29.66	30	5.7	27	n.	30	78	52	51	61

* For any

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER
HARRISBURG, PA.

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No. 8.

GENERAL SUMMARY.

The average temperature for the State was below normal for the first time since March. This deficiency reduces the previously accumulated excess for the year to zero. With the exception of the Southeast, sectional averages were below the State normal and did not vary much. The average in the Plateau Section was 66°; in the Mountain and Lake Erie Sections, each, 67°; in the Southwest, 69°; and in the Southeast, 72°. Temperatures rose until the 9th of the month, most stations reporting absolute maxima on that date. A sharp recession resulted in lowest readings being obtained, in the eastern part of the State, on the 14th. Nights continued cool and absolute minima were recorded at most western stations about the 28th. As the month drew to a close, temperatures were again rising, scattered points reporting highest readings in this period.

Precipitation for the month again averaged above normal, reducing the accumulated deficiency for the year to 5.00 inches. It occurred frequently with greatest amounts falling about the middle of the month. The Southwest, with an average of 5.90 inches, was the wettest section; the average in the Mountain Section being 4.33 inches; in the Plateau Section, 4.22 inches; in the Lake Erie Section, 3.95 inches; and in the Southeast, 3.45 inches. Much of the precipitation fell during thunderstorms which were frequent, being most general about the 15th and 26th. Maximum 24-hour amounts were measured at most stations on one of these two dates.

Lightning, accompanying the thunderstorms, caused losses of at least \$10,000 from fires and numerous interruptions in electrical services at scattered points, while high winds increased the loss, snapping off telephone poles, uprooting trees, and damaging structures. Heavy rains were reported at Pittsburgh, where, in storms on the 12th and 15th, property was damaged and traffic impeded when sewers were unable to carry away the excessive precipitation. Similar effects were felt at Lock Haven on the 15th, when torrential rains fell during the early evening. Basements in Franklin were flooded and an engine on the New York Central Railroad was derailed due to heavy rain on the 25th. Some hail damage was also reported on various days.

A tornado originated in south Chester County, west of Kemblesville, on the 25th. Fifteen homes were damaged, roofs and upper floors being torn from some of them. Ten barns were blown down and twenty-five others were unroofed. One barn was struck by lightning and burned. Innumerable trees were uprooted and twisted off, while tops were torn out of those not otherwise damaged. Telephone service was cut off over the affected area. Hail damaged corn which had been uprooted by the wind. Estimates of the damage ran as high as \$100,000. The storm moved eastward from Kemblesville into Delaware and New Jersey.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 93 stations, was 68.8°, which is 1.5° below the 54-year normal for August. The highest monthly mean was 76.4° at Marcus Hook, and the lowest was 60.6° at Mt. Pocono. Extremes ranged from a maximum of 101° at Marcus Hook on the 9th, to a minimum of 31° at Kane on the 28th. The greatest daily range in temperature was 52° at Coudersport on the 7th, at Stroudsburg on the 8th, and at Greenville on the 31st.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 177 stations, was 4.35 inches, which is 0.13 inch above the 54-year normal for August. The greatest monthly amount was 9.01 inches at Punxsutawney, and the least, 2.19 inches at Millersburg. The greatest amount for any 24 consecutive hours was 4.73 inches at Lock Haven on the 16th.

OBITUARY.

Mr. Henry Turk, river observer at Parkers Landing, was killed by an automobile on August 24th. He had served in this capacity since November 1, 1897 and was in active service until his death, a record of 44 years of faithful service.

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	69.8	100	33	7.05	.....	10	13	10	8
1889.....	67.4	100	37	3.24	.....	8	15	10	6
1890.....	68.8	98	34	5.76	.....	12	9	14	8
1891.....	69.6	99	35	5.09	.....	12	8	12	11
1892.....	71.4	99	42	3.77	.....	9	14	7	10
1893.....	70.4	99	30	4.50	.....	8	14	10	7
1894.....	69.4	98	32	1.84	.....	6	13	12	6
1895.....	72.3	101	32	3.23	.....	9	15	11	5
1896.....	71.2	101	35	2.22	.....	8	14	11	6
1897.....	67.9	97	34	3.17	.....	9	14	11	6
1898.....	72.3	99	37	6.60	.....	12	11	11	9
1899.....	71.2	101	38	4.01	.....	7	14	10	7
1900.....	75.0	103	38	3.33	.....	9	14	12	5
1901.....	72.0	99	42	6.81	.....	11	10	12	9
1902.....	67.8	100	34	2.62	.....	8	13	13	5
1903.....	67.2	99	36	5.29	.....	14	9	12	10
1904.....	68.0	96	34	4.36	.....	9	15	10	6
1905.....	69.6	95	36	5.71	.....	12	12	12	7
1906.....	73.2	96	39	5.62	.....	12	10	12	9
1907.....	68.0	97	32	2.94	.....	10	16	9	6
1908.....	69.4	102	30	3.22	.....	7	15	10	6
1909.....	69.4	100	34	2.31	.....	7	16	9	6
1910.....	69.8	98	35	2.61	.....	6	14	10	7
1911.....	71.4	102	36	7.63	.....	13	11	8	12
1912.....	67.1	93	36	5.02	.....	14	9	12	10
1913.....	70.4	102	38	2.69	.....	8	17	9	5
1914.....	71.3	100	34	3.85	.....	11	13	11	7
1915.....	68.0	99	34	6.71	.....	15	10	11	10
1916.....	71.9	103	32	2.57	.....	8	17	10	4
1917.....	71.2	101	38	6.69	.....	10	15	10	6
1918.....	73.6	108	32	4.12	.....	11	16	10	5
1919.....	68.2	94	35	5.43	.....	12	13	10	8
1920.....	70.2	95	37	4.66	.....	15	9	12	10
1921.....	68.4	97	35	3.83	.....	9	17	8	6
1922.....	69.1	100	31	3.14	.....	10	15	9	7
1923.....	69.2	96	30	3.10	.....	9	15	11	5
1924.....	70.1	102	31	3.78	.....	9	16	10	5
1925.....	69.7	97	26	2.28	.....	7	18	9	4
1926.....	71.9	103	32	5.69	.....	15	11	8	12
1927.....	65.5	92	34	4.12	.....	12	12	10	9
1928.....	73.4	99	35	4.60	.....	12	13	11	7
1929.....	67.7	98	31	2.52	.....	7	17	8	6
1930.....	70.3	108	29	1.47	.....	7	15	10	6
1931.....	71.1	104	40	4.01	.....	12	11	10	10
1932.....	71.6	103	34	2.82	.....	8	19	8	4
1933.....	70.8	104	38	7.61	.....	12	13	9	9
1934.....	68.6	98	30	4.94	.....	11	14	8	9
1935.....	71.3	98	31	3.91	.....	11	13	10	8
1936.....	73.2	102	37	4.96	.....	12	13	11	7
1937.....	73.5	101	40	5.43	.....	12	13	9	9
1938.....	73.8	100	36	2.90	.....	8	17	10	4
1939.....	73.3	98	41	2.98	.....	8	15	10	6
1940.....	68.8	98	30	4.57	.....	11	11	9	11
1941.....	68.8	101	31	4.35	.....	8	17	9	5
Period.....	70.3	108	26	4.21	.....	10	14	10	7

Climatological Data for August, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days			Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear			Pt. cloudy	Cloudy
<i>Atlantic Drainage.</i>																				
Allentown.....	Lehigh.....	260	29	70.8	-1.2	95	9	45	14	38	3.11	-1.79	0.97	0	9	22	7	2	s.	John A. Frick.
Altoona.....	Blair.....	1,615	54	67.2	-2.0	88	8	39	13	34	5.39	+1.90	1.61	0	7	22	7	2	w.	Robert L. Goodfellow.
Ardmore.....	Montgomery.....	330	21	72.8	+0.5	95	9	48	14	34	2.68	-2.99	1.09	0	6	14	14	3	.....	H. L. Balderston.
Arendtsville.....	Adams.....	710	19	71.6	-0.9	98	9	45	14	39	3.11	-1.64	0.80	0	8	23	5	3	sw.	Penn State Expt. Station.
Bedford.....	Bedford.....	1,100	9	69.0	-2.8	91	9	41	14	41	3.05	.....	0.96	0	8	19	2	10	nw.	Charles C. Lee.
Bethlehem.....	Northampton.....	450	55	73.0	-0.3	97	9	48	14	36	3.05	-1.40	1.39	0	9	20	8	3	nw.	Lehigh University.
Bloomsburg (near).....	Columbia.....	560	15	70.2	.....	91	8	45	29	36	6.56	.....	3.80	0	8	14	13	4	nw.	Benj. F. Conner.
Carlisle.....	Cumberland.....	473	72	71.5	-1.4	95	9	46	28	41	3.29	-1.43	0.83	0	7	24	1	6	nw.	Prof. C. E. Miller.
Chambersburg.....	Franklin.....	600	44	72.0	-0.4	94	11	46	28	36	3.08	-0.74	0.84	0	8	19	9	3	nw.	William B. Spear.
Clearfield.....	Clearfield.....	1,260	40	66.7	-3.4	92	8	38	13	45	7.11	+2.99	2.25	0	8	21	5	5	ne.	Otto J. W. Eppers.
Coatesville.....	Chester.....	431	54	74.4	+1.7	97	9	47	14	37	3.21	-1.52	1.25	0	6	17	5	9	nw.	Howard L. Pyle.
Colebrook.....	Lebanon.....	630	29	69.0	-1.3	92	9	43	11	38	2.99	-2.10	0.95	0	6	22	3	6	w.	Wm. A. Rorer.
Emporium.....	Cameron.....	1,050	56	64.2 ^d	-3.5	88 ^d	8	39 ^c	14 ^b	39 ^c	.....	.....	0.97 ^b	0	8	.....	.....	.....	.....	E. M. Poorman.
Ephrata.....	Lancaster.....	365	44	73.0	+0.6	100	9	45	14	43	3.49	-0.77	1.62	0	8	17	9	5	n.	Ira J. Keath.
Freeland.....	Luzerne.....	1,900	48	66.3 ^a	-0.4	85 ^a	8 ^a	43 ^a	13 ^a	34 ^a	4.48	+0.08	1.97	0	11	11 ^a	3 ^a	16 ^a	w.	Andrew B. Evansha.
George School.....	Bucks.....	160	35	71.9	-0.2	94	9	45	14	35	3.25	-1.79	0.78	0	9	24	4	3	n.	Prof. N. W. Swayne.
Gettysburg.....	Adams.....	553	68	73.0	+0.7	96	9	48	14	37	3.46	-0.86	1.78	0	7	22	6	3	n.	Dr. Henry Stewart.
Gordon.....	Schuylkill.....	900	37	67.1	-1.2	92	8	38	28	46	4.06	-0.10	1.32	0	7	19	7	5	w.	Miss Sallie M. Johnson.
Gouldsboro.....	Wayne.....	1,890	26	61.1	-1.9	85	11	32	14	42	5.01	+0.70	1.84	0	10	25	2	4	nw.	Steward W. Eilenberger.
Hanover.....	York.....	600	37	73.2	-0.4	96	9	50	14	32	3.45	-1.07	1.14	0	10	21	4	6	n.	Thomas Y. Cooper.
Harrisburg.....	Dauphin.....	337	72	72.8	+0.2	95	9	49	14	38	2.63	-1.41	0.94	0	8	15	12	4	w.	U. S. Weather Bureau.
Hawley.....	Wayne.....	900	23	65.8	-2.2	91	9	36	14	43	3.68	-0.41	1.17	0	11	23	6	2	w.	Mrs. Della M. Pennell.
Holtwood.....	Lancaster.....	200	26	74.3	-0.7	94	9	55	14	27	3.16	-0.76	1.15	0	8	16	11	4	nw.	Penna. Water & Power Co.
Huntingdon.....	Huntingdon.....	700	54	69.0	-1.7	91	11	41	14	41	4.08	+0.20	2.24	0	7	19	8	4	nw.	Prof. Paul R. Yoder.
Kierytown.....	Clearfield.....	1,700	12	65.0	-2.4	88	8	38	28	40	4.48	+1.10	1.74	0	10	10	14	7	nw.	U. S. Weather Bureau.
Lancaster.....	Lancaster.....	280	54	71.8	-0.6	96	9	45	14	40	4.21	+0.13	2.02	0	6	24	5	2	sw.	Supt. of Water Works.
Lawrenceville.....	Tioga.....	996	44	65.8	-2.5	93	8	35	28	49	2.55	-0.92	0.85	0	7	19	11	1	.....	C. P. Darling.
Lebanon.....	Lebanon.....	469	57	71.3	-0.9	96	9	46	14	40	3.10	-1.33	0.86	0	9	26	1	4	sw.	Lebanon Valley Gas
Lewistown.....	Mifflin.....	480	3	71.2	.....	93	8	46	14	39	4.68	.....	1.77	0	8	18	9	4	e.	Penna. Edison Co.
Lock Haven.....	Clinton.....	554	51	66.8	-4.7	91	11	41	13	40	7.14	+3.13	4.73	0	8	14	8	9	nw.	Wm. R. Kelley.
Marcus Hook.....	Delaware.....	50	15	76.4	+0.1	101	9	48	13	30	3.07	-2.61	1.24	0	7	28	1	2	sw.	Sun Oil Co.
Montrose.....	Susquehanna.....	1,656	36	63.7	-3.1	87	8	42	11	37	2.90	-1.17	0.67	0	10	19	9	3	nw.	Harry S. Fancher.
Mt. Pocono.....	Monroe.....	1,740	35	60.6	-3.4	85	1	33	28	40	5.41	+1.15	2.43	0	7	27	0	4	nw.	Cecil J. Hoskinson.
Muncy Valley.....	Sullivan.....	864	29	64.6	-3.3	89	2	38	14	42	4.72	+0.09	1.09	0	6	21	6 ^b	2 ^b	w.	Il. O. Hacker.
Neshaminy Falls.....	Bucks.....	80	52	.....	.....	.....	.....	37 ^c	.....	.....	2.83	-3.04	0.60	0	8	24	2	5	w.	Philadelphia Sub. Water Co.
New Bloomfield.....	Perry.....	679	3	68.3	.....	93	8	40	28	44	2.87	.....	1.25	0	9	20	8	3	w.	J. Earl S. eadler
Palmerston.....	Carbon.....	420	23	69.5	-1.4	95	8	42	14	42	3.21	-0.75	0.95	0	7	13	14	4	n.	New Jersey Zinc Co.
Philadelphia.....	Philadelphia.....	26	70	75.3	+0.5	96	9	58	13	24	2.59	-2.03	1.24	0	5	14	14	3	n.	U. S. Weather Bureau.
Phila. Navy Yard.....	Philadelphia.....	20	25	75.4	+0.6	99	9	57	13	27	4.02	-1.26	2.05	0	8	11	10	7	nw.	Navy Aerological Office
Phoenixville.....	Chester.....	100	31	71.4	-2.4	97	9	43	14	40	2.58	-2.77	0.87	0	7	16	11	4	w.	Philadelphia Sub. Water Co.
Port Clinton.....	Schuylkill.....	430	3	69.9	-1.4	94	1	41	14	42	3.06	-2.11	1.38	0	9	24	3	4	n.	E. E. Rarick.
Quakertown.....	Bucks.....	480	56	68.2 ^a	-2.2	94 ^c	9	39 ^a	14	41 ^c	5.08	-0.01	2.09	0	8	18	9 ^b	2 ^b	nw.	John E. Beumer.
Reading.....	Berks.....	273	71	73.0	+0.1	95	9	49	14	32	3.32	-0.89	1.06	0	6	16	8	7	nw.	U. S. Weather Bureau.
Scranton.....	Lackawanna.....	746	47	68.3	-1.5	90	8	44	18	35	4.93	+1.24	1.82	0	9	12	15	4	n.	U. S. Weather Bureau.
Selinsgrove.....	Snyder.....	420	51	69.9	-1.5	92	9	44	14	40	3.14	-0.70	1.20	0	9	16	10	5	sw.	Dr. George E. Fisher.
Shawmont.....	Philadelphia.....	51	45	73.2	-1.0	94	9	50	14	30	2.79	-2.32	0.98	0	8	11	11	9	s.	Joseph J. Bryza.
Shippensburg.....	Cumberland.....	660	8	71.4	.....	93	5	46	14	37	2.71	.....	0.81	0	8	20	5	6	sw.	State Teachers' College
State College.....	Centre.....	1,217	57	67.6	-1.2	91	8	44	28	37	4.47	+0.99	1.87	0	9	4	25	2	sw.	Penna. State College.
Stroudsburg.....	Monroe.....	400	27	67.4 ^a	-2.5	100 ^a	8	38 ^a	14	52 ^b	5.49	+1.29	1.28	0	11	26 ^a	0 ^a	4 ^a	ne.	Metropolitan-Edison Co.
Towanda.....	Bradford.....	754	47	66.8	-1.7	93	8	40	14	47	2.51	-0.92	0.83	0	14	12	14	5	n.	Mrs. M. Ordeila Park.
Wellsboro.....	Tioga.....	1,319	71	64.0	-2.4	89	11	35	28	45	3.23	+0.05	0.94	0	9	14	9	8	nw.	M. S. Bliss.
West Chester.....	Chester.....	440	92	72.0	-0.1	96	9	47	13	34	2.83	-2.17	0.87	0	8	24	6	1	n.	Harlan Saylor.
Wilkes-Barre (Airport).....	Luzerne.....	544	3	67.4	.....	90	8	42	14	37	6.71	+2.93	2.28	0	8	9	16	6	nw.	U. S. Airways Station.
Williamsport.....	Lycoming.....	542	55	68.5	-2.5	94	1	42	21	43	5.93	+2.20	3.61	0	9	18	11	2	nw.	John D. McEwen.
Williamstown.....	Dauphin.....	1,275	26	72.7	+1.9	93	10	49	13	32	4.15	+0.24	1.31	0	9	19	8	4	sw.	Susquehanna Collieries Co.
York.....	York.....	400	53	72.2	-0.4	97	9	43	14	41	3.95	-0.11	1.98	0	10	20	10	1	sw.	York Water Co.
<i>Ohio Drainage.</i>																				
Brookville.....	Jefferson.....	1,240	51	62.8	-3.1	88	8	34	28	46	6.28	+2.44	1.84	0	8	10	1	20	.....	Frank S. Fawcett.
Butler.....	Butler.....	1,077	28	68.0	-2.2	91	8	38	28	43	5.61	+1.71	3.10	0	7	21	8	2	w.	William C. Faust.
Claysville.....	Washington.....	1,150	36	67.6	-4.1	91	9	40	13	42	5.34	+1.57	1.87	0	10	20	4	7	n.	J. L. Melvin.
Conyn.....	Erie																			

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Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic Drainage																																	
Allentown ²	Lehigh	.33										.23				.60	.13		.14	.40							.17	.97	.14				3.11
Altoona	Juniata											1.57			1.61	.09		.51									.41	.78			.39	5.39	
Ansonia ²	W. Br. Susq.	.68									T.	1.23				.67	.29		.13					.07				.38	.19			.26	3.92
Ardmore ³	Lower Del.				T.	T.						.25				.56	.01		.34							1.09	.40				T.	2.68	
Arendtsville ²	Lower Susq.											.35				.67	T.		.36	.80				.29		.40	.14	.19				3.11	
Baker's Summit	Juniata				.03							04 1.36			1.23	.11		.68					.12				.41	1.00				4.98	
Bald Eagle I.	Middle Susq.										.41	.09			2.05			.01	.44			*	*	*		1.26	1.10					5.36	
Bedford ²	Juniata		T.									.65			T.	.96	T.		.26	.38				.05		.32	.30	.13				3.05	
Bellefonte ²	W. Br. Susq.					.12						.37			.04	1.82		.21	.11					.19		.55	.96	.39				4.76	
Berwindale ¹	W. Br. Susq.											1.83	.10		2.58	.02		.23								1.26	1.31					7.33	
Bethlehem	Lehigh	.42	T.									.11			.43	.07	.05		.32	.19			T.			1.39		.01				3.05	
Bloomsburg (ur.) ²	Susquehanna	.20										.55			T.	3.80			.17	.67						.76	.12	.29				6.56	
Blosserville	Lower Susq.				.02					T.		T.	.72			1.01		T.	.49	.02			T.			.29	.04	.11				2.70	
Buffalo Mills ²	Potomac											.72				.33			.32	.25						.45	.37	.32				2.76	
Carlisle	Lower Susq.				.23							.84			.83				.60				T.			.25	.32	.23				3.29	
Carter Camp	W. Br. Susq.											1.02			.70	.21		.04	.04							.52	.36					2.89	
Centre Hall	Susquehanna				.14							.05			1.55	.60		.07					.20			.64	.65	.32				4.22	
Chambersburg ²	Potomac					T.						.70			T.	.84		.24	.46					.06		.24	.48	.06				3.08	
Clearfield ²	W. Br. Susq.											.78			.09	1.72		.13	.05							.36	2.25	1.73				7.11	
Coatesville	Lower Del.				.04							.35			.76			.45								1.25		.36				3.21	
Colebrook	Lower Susq.											.30			.89			.75								.95	.07				.03	2.99	
Coushohocken	Schuylkill																																
Covington ²	N. Br. Susq.	2.00	.10									1.00			1.78		.30		.10								.20	.10				5.58	
Doylestown	Lower Del.	.03			.49							.21			.51			.64								.93		1.07				3.88	
Driftwood ¹	W. Br. Susq.				.21							.57	.09		.71	.10			.09				.02			.41	1.02					3.13	
Du Bois	W. Br. Susq.									.02		.04	1.09		2.09	.41	.02		.53							.53	1.49	.02				6.15	
East Waterford III ¹	Juniata				.03		.34					.58			T.	1.07		.19	.17					.16		.04	.14	.23				2.95	
Emporium ²	W. Br. Susq.	.13			.29							.97			.86			.10								.37	.24	.41				\$	\$
English Center ¹	W. Br. Susq.				.30							1.45	.04		.89	.04						.13			.80							3.73	
Ephrata	Lower Susq.	.01			.01							.30			.80			.71	1							1.62	.03	.01			T.	3.49	
Fredericksburg ²	Schuylkill	.11										.22			.89	T.		.27	.27							.47	1.05	2.00				5.28	
Freeland ²	Lehigh	.09	T.									.42			1.97	.04		.54	.24					.04		.38	.08	.67			.01	4.48	
Gaileton	N. Br. Susq.	.09			.08					T.		1.25			.58	.12		.09								.25	.44					2.81	
George School	Lower Del.	.04			.32							.33			.58		.17	.27	.03							.73		.78			T.	3.25	
Gettysburg	Potomac				T.						T.	.31			.43	.07		1.78	.02			T.				.60	T.	.25				3.46	
Gordon	Lower Susq.											.30			.75	.51		.66				.12				1.32	.40					4.06	
Gouldsboro ²	Lehigh		.25									.68			1.84	.11		.25	.53				.03			.21	.55	.58				5.01	
Graterford	Schuylkill	.64										.18			.37			.16								1.62						3.61	
Hanover	Lower Susq.				*	.45						.24			.42	.08		*	1.16							.55	.15	.40				3.45	
Harrisburg ⁵	Lower Susq.				.01						.24	.20			.94			.59					T.			.52	.11					2.63	
Hawley ²	Upper Del.	.43								.03		.26			1.17	.02		.22	.23						.06	.44	.67	.15				3.68	
Hollisterville ²	Upper Del.	.09										.42			1.49	.31		T.	.46					.15		.19	.71	.17				4.00	
Holtwood ²	Lower Susq.											.36			T.	.78		.27	.20						.02	.03	1.15	.35				3.16	
Huntingdon	Juniata	T.			.02							.63			2.24	.02		.41	.20			T.		.02		.37	.39				T.	4.08	
Huutsdale ¹	Lower Susq.				.16							.35	.22		.75	.08		.51								.31		.31				2.47	
Hyndman ²	Potomac	T.										.82			T.	.37		.33	.13							.60	.32	.37				2.74	
Kylertown ^{5**}	W. Br. Susq.				.17	T.						.43	.06		1.74	.23		.24	.06			.02				.66	.87					4.48	
Lakeville ²	Upper Del.	.14	T.									.35			1.13			.28	.37							.65	.63	.12				3.67	
Lancaster	Lower Susq.					T.						.09			.37		.03	1.03								2.02		.67				4.21	
Lausford ²	Lehigh	.10										.36			1.00			.49	.31					.10		.34	.53	.93				4.16	
Laurelton ¹	Lower Susq.							.14				.27	.11		1.54			.04	.49							*	1.01					3.60	
Lawrenceville	N. Br. Susq.		.85			T.				T.		.37			.53	.10		.05								.40	.25					2.55	
Lebanon ²	Lower Susq.					.05						.28			T.	.86	.09	.22	.62					T.		.07	.78	.13				3.10	
Lehighou ²	Lehigh	1.25										.61			.80	.11		.45	.26					.06		.34	.89	.80				5.57	
Lewistown	Middle Susq.	T.			.10							.36			1.77			.55					.79			.19	.90	.01				4.68	
Lock Haven ²	W. Br. Susq.				.06							.70			4.73				.30					.04		.40	.58	.33				7.14	
Mapleton Depot ²	Juniata				.11</																												

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Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Serautoni ¹	N. Br. Susq.	.05										.59	.01				.88	.56		T.	.35			.20			1.82	.47	T.					4.98
Selinsgrove	Lower Susq.											.22				1.20	.17			.71	.02		.01			.20	.58	.03					3.11	
Sellersville	Lower Del.				.20							.10				.58	.01			.81						2.37	1.86						5.93	
Shade Gap	Middle Susq.											.63	.17			1.10	.22		.13	.36						.24	.41					3.26		
Shawmont	Schuylkill	.47				.10						.20				.54				.26	T.					.98		.22				.62	2.79	
Shippensburg	Lower Susq.					T.						.52				.81	.03	.09		.64	.02				.49	T.	.11					2.71		
South Mountain ²	Potomac					.01						.34	T.			.67				.36	.83			.06		.16	.35	.65					3.43	
State College	W. Br. Susq.				.01	T.				T.		.20	.14			1.87	T.		.12	.42	.83		.01		.66	1.04						4.47		
Stroudsburg ²	Upper Del.	.49	.83									1.28				.84	.17			.38					.17	.55	.70	.05	.03				5.49	
Sunbury ²	Lower Susq.	.14										.29				T.	1.21			.26	.34			.07	.10	.62	.11					3.14		
Susquehanna ²	N. Br. Susq.	1.05														.46	.21			.06				.29	.14	.24					.01	2.46		
Towanda	N. Br. Susq.	.03	.01							.01		.01	.64			.83	.06	.01		.04				.28	.29	.31	.05	.01			.22	2.51		
Wellsboro ²	N. Br. Susq.	.71	T.									.94				.01	.67	.45		.05				T.		T.	.27	.12			.01	3.23		
Wernersville ² [nr]	Schuylkill											.30				.98				.18					.49	.57	.96					3.48		
West Chester	Lower Del.	.01				.04						.30				.67		.08		.39	T.				.87	.47						2.83		
Westgrove ²	Lower Del.						.22					.24				.54				.43	.10				.03	2.46	.16					4.18		
Wilkes-Barre ^{5**}	N. Br. Susq.	1.10								T.		.76	T.			2.28	.21		T.	.26			.05		1.49	.56						6.71		
Williamsport ²	W. Br. Susq.	.05										.39				3.61	T.		.05	.23			.45		.21	.23	.71					5.93		
Williamstown	Lower Susq.	.40										.09				.98	.12	.03		.47				T.	.68	.07	1.31					4.15		
York	Lower Susq.					.12						.43				.30	.02			1.98	.03			.08	.24	.02	.78					3.95		
York Haven ²	Lower Susq.											.43				.68				.30	.74				.04	.44	.26					2.89		
Zionsville (near)	Schuylkill	.10										.18				.53				.31	.33				2.21		1.20				.09	4.95		
Trenton, N. J. ¹	Lower Del.	T.				T.						.01	.25			.36	.12			.33	T.					.58	.61				T.	2.26		
Ohio Drainage																																		
Acmetonia ²	Allegheny												1.25			.05	1.66			.34	.53					.12	.25	1.10				5.30		
Beaver Falls ²	Beaver	T.											1.01			.40	2.40			.17	T.				.20	.22	.12					4.52		
Blairsville ²	Allegheny				.05						.26		.70			.18	2.29	T.		.45	.78			.18	.41	.11	1.03					6.44		
Bradford ²	Allegheny					T.				*	.02		.98	T.		*	.54	.15		.04					*	.48	.40					2.61		
Brookville ²	Allegheny	T.									.03		1.84			1.51				.12	.04				.08	1.76	.90					6.28		
Bucktown ¹	Allegheny										.45	.18				1.05			.19	.60			.10		.42	.54						3.53		
Butler	Ohio											.65				3.10	.90		.10	.18					.34	.34						5.61		
Clarion ²	Allegheny								.04	.13		2.39				2.70				.03	.01				.06	.97	.46					6.76		
Claysville	Ohio								.09	.11	.38					.35	.15		.04	1.87					.71	.62	.02					5.34		
Confluence ²	Youghiogheny	T.	T.						.05			1.31	.07			.02	.94			.67	.91				.26	.19	.77					6.19		
Cornellsville ²	Monongahela	T.	.02						.08			.96	.01			.09	.38			.77	.84			.10	.37	.22	.59				.02	4.45		
Coraopolis ²	Ohio											.95				10	2.54			.28	.26				.24	.01	1.40					5.78		
Corry ²	Allegheny									.03		1.19				.12	.25	.06		.02					.12	.73	.40				.25	2.77		
Coudersport	Allegheny											1.51				.58	.13	.06		.16						.37	1.10					3.91		
Derry	Conemaugh									T.		.12	1.00			2.08	.04			1.41			.21			.51	1.07	.03				6.47		
Donora ³	Monongahela									.40		.65	.26			1.48				22	1.57		T.			1.13	1.25					6.96		
Dunlop	Allegheny				.04					.17		.52	.49			1.89	.24			14	.48					.67	.69					5.34		
Ebensburg	Conemaugh				T.	T.				.04		1.40				2.29	.09			.82			T.		T.	.50	.84					T.	5.98	
Franklin ²	Allegheny									T.	.08	2.33				T.	1.57	.03		.04					.48	3.00	.15					.12	7.80	
Greensboro ²	Monongahela										.35	.47	.01			1.04	.07			.76	.76				.40	.07	2.15					6.08		
Greensburg	Youghiogheny								.13	T.	.05	1.45				1.74	.01			T.	1.62					.50	1.43				T.	6.96		
Greenville	Beaver	.48							.05		.13	.46				1.43	.03			T.	1.62					.23	1.64				T.	4.50		
Horse City	Beaver								.02		.03	.40				1.40				.12					.29	.53						2.79		
Indiana ²	Allegheny		.02			.03					.01	.32				.20	1.76			.07	.40		.02		.56		1.58					4.97		
Irvine	Monongahela											.11	1.23			1.96	.03		T.	1.45	.03				1.15	.85						6.78		
Johnstown	Conemaugh								.38		.08	.72				2.22	.05		T.	.91					.61	.32					T.	5.29		
Kane Airway Sta ^{**}	Allegheny					T.				T.	1.19	.04				.61	T.		.11	.07					1.00	.29			.13	T.		3.44		
Lake Lynn ²	Monongahela		.25								.20		.01	.12		.01	1.59	.03		1.40	.49				.24	.18	1.40					5.92		
Lock No. 42	Monongahela	.92									.25		.44			.01	.90			.85	.75		.01		.04	.07	1.07					5.41		
Lock No. 52	Allegheny					T.					.60		.46			1.22	.25			.32	.07				.12	.21	.40					4.55		
Lyons	Conemaugh	T.									T.	.10	1.13			2.85	.07		T.	1.50					1.01	.80	.03					7.49		
Marienville	Allegheny								.01			.58	.15			1.88				.07	.04		.08		.28	.50				.08	.03	2.97		
McKeesport ²	Monongahela										.02	1.55				.40	1.88			.49	.32				.26	T.	.94					5.84		
Meadville ²	Allegheny																																	

Daily Temperatures for August, 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Altoona	Maximum	87	82	83	86	87	82	81	88	86	82	79	77	71	77	73	76	72	74	68	75	77	80	80	82	87	80	72	73	78	87	87	79.8	
	Minimum	66	61	55	54	66	53	49	54	60	57	47	62	39	46	53	64	46	43	60	50	48	55	57	52	62	68	55	42	46	56	67	64.6	
Bedford	Maximum	88	86	85	88	90	88	85	90	91	86	80	80	77	82	82	80	77	76	70	76	79	84	82	84	85	87	74	75	81	87	89	82.7	
	Minimum	67	61	55	52	63	58	50	52	56	53	51	63	45	41	55	63	64	46	61	51	48	55	55	51	62	70	58	42	45	58	65	65.4	
Bethlehem	Maximum	90	87	86	89	92	92	90	91	97	96	82	82	81	80	80	80	80	78	78	79	82	82	82	82	82	82	82	77	78	88	90	85.5	
	Minimum	70	68	63	62	68	63	58	58	62	67	52	63	51	48	59	65	57	55	63	59	52	58	62	58	67	73	64	51	50	60	70	60.5	
Bloomsburg (near)	Maximum	90	87	84	89	90	88	87	91	90	82	82	82	74	81	70	79	75	77	71	76	82	76	82	85	80	88	74	75	78	88	90	82.0	
	Minimum	68	65	55	53	60	65	60	64	63	65	63	59	59	52	51	54	64	62	63	63	63	56	52	51	59	60	54	46	45	52	65	58.5	
Brookville	Maximum	85	82	82	87	85	81	83	88	81	78	75	75	69	78	70	75	73	77	77	73	85	81	79	81	81	85	70	72	80	87	88	79.5	
	Minimum	63	62	49	50	51	46	44	43	45	45	47	47	38	38	39	55	42	36	38	41	39	41	49	45	59	62	50	34	36	41	47	46.0	
Butler	Maximum	86	84	87	90	89	85	87	91	87	82	80	80	75	80	82	77	79	79	78	77	82	84	81	91	90	87	85	73	83	87	85	83.3	
	Minimum	61	61	54	53	64	51	48	49	57	55	55	65	42	45	62	62	42	45	62	46	46	56	53	50	52	72	54	38	40	51	48	62.6	
Carlisle	Maximum	93	90	90	91	91	88	89	94	95	90	86	84	78	84	80	84	77	80	72	78	82	83	85	90	87	91	78	78	80	90	93	85.5	
	Minimum	70	67	58	58	59	51	52	53	61	54	49	65	50	48	58	66	51	48	64	56	49	60	57	54	66	67	61	46	57	55	67	57.5	
Chambersburg	Maximum	94	89	90	93	91	90	88	94	94	86	88	87	76	81	72	81	78	81	75	79	85	70	85	87	86	91	79	80	81	89	90	84.9	
	Minimum	72	72	58	58	69	62	55	58	60	61	52	65	51	47	58	64	55	49	65	58	50	58	62	56	57	68	64	46	51	57	72	69.0	
Claysville	Maximum	88	84	85	89	88	83	85	90	91	86	85	80	73	81	78	78	74	70	75	74	79	82	82	85	83	84	74	72	83	85	86	81.7	
	Minimum	63	58	51	53	63	52	50	50	59	52	51	66	40	45	56	60	45	45	62	44	42	55	55	52	66	65	51	42	41	57	69	53.5	
Clearfield	Maximum	87	87	85	90	89	84	89	92	89	86	83	80	73	82	73	82	77	74	77	76	77	82	83	82	86	83	88	73	75	83	87	82.6	
	Minimum	62	60	49	49	58	49	46	47	49	53	44	63	38	40	47	60	43	42	62	46	47	51	50	48	61	62	53	39	40	53	63	60.8	
Coatesville†	Maximum	92	88	88	93	86	87	92	97	85	83	86	86	82	77	84	77	81	79	78	80	81	88	88	84	93	77	75	81	86	92	87	80.4	
	Minimum	71	76	76	64	72	74	62	63	73	69	65	67	49	47	59	68	65	51	67	61	61	55	60	68	70	70	64	57	49	58	67	63.8	
Corry†	Maximum	83	83	84	90	86	83	88	92	89	81	71	72	69	80	76	75	72	76	80	75	81	84	79	85	81	79	70	71	82	87	87	80.4	
	Minimum	64	62	52	55	59	50	44	46	53	53	43	52	41	44	54	56	40	36	45	40	42	54	52	40	42	63	48	34	36	43	64	48.6	
Coudersport	Maximum	88	86	85	94	91	90	88	90	87	81	66	76	72	71	70	71	74	78	73	80	81	79	83	78	81	71	74	80	86	85	80.0		
	Minimum	65	62	61	66	68	45	36	40	42	50	56	51	34	37	50	57	42	35	56	41	41	47	48	40	55	57	49	35	34	48	57	47.9	
Donora*	Maximum	90	85	87	91	90	85	88	94	95	87	84	81	73	84	78	83	75	74	75	75	83	85	85	87	84	86	75	75	88	90	89	83.9	
	Minimum	69	66	58	59	58	62	57	57	66	62	59	56	49	51	63	66	53	51	65	53	63	62	58	69	66	55	48	48	62	73	59.3		
Ebensburg	Maximum	83	80	80	82	84	78	81	84	83	79	78	75	66	78	72	73	70	72	67	71	76	79	76	81	78	80	70	70	80	85	83	77.2	
	Minimum	64	58	49	42	61	52	45	47	53	54	46	60	39	40	59	59	43	39	58	46	41	55	53	46	61	63	51	36	41	53	63	50.9	
Emporium†	Maximum	86	83	83	86	86	80	82	88	82	85	80	71	75	70	77	75	72	75	78	76	79	82	84	80	83	70	78	70	78	78	78	79.3 ^d	
	Minimum	65	61	53	51	56	51	47	49	52	52	53	48	47	39	40	46	45	42	44	47	46	48	53	52	61	52	39	40	40	40	40	49.2 ^e	
Ephrata	Maximum	96	94	92	93	93	91	92	96	100	90	85	87	81	85	78	86	84	81	76	82	84	80	90	90	85	94	79	80	80	90	91	87.3	
	Minimum	70	66	58	56	66	60	55	54	57	68	50	66	50	45	61	69	56	49	64	60	50	54	59	56	69	70	65	46	47	60	65	58.7	
Erie*	Maximum	78	82	83	84	82	78	81	85	79	74	78	72	67	75	75	71	69	76	73	73	77	81	75	81	78	74	67	69	75	84	90	77.0	
	Minimum	70	69	66	70	70	65	58	65	66	63	59	60	58	55	61	63	57	53	62	55	59	66	61	57	68	62	58	50	52	67	75	61.9	
Franklin†	Maximum	84	83	83	85	83	84	90	84	81	75	73	69	67	77	77	75	73	75	78	75	79	82	79	85	80	82	69	72	81	86	87	79.8	
	Minimum	66	65	56	57	59	52	49	50	52	58	51	53	44	44	46	59	47	43	43	49	46	47	55	51	52	64	52	41	42	44	52	51.3	
Freeland	Maximum	84	81	79	81	83	79	81	85	85	76	76	76	64	75	63	73	68	70	66	72	77	72	78	82	71	84	69	69	82	83	83	76.1 ^a	
	Minimum	64	64	56	56	68	62	55	62	66	59	51	58	43	47	56	58	52	46	59	52	51	56	61	55	62	63	55	43	48	68	68	56.5 ^b	
George School	Maximum	84	87	85	85	88	85	86	90	94	88	82	84	79	80	82	77	77	78	77	81	80	84	86	82	82	89	75	78	86	92	83	83	83.6
	Minimum	70	70	62																														

Daily Temperatures for August, 1941—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Port Clinton.....	Maximum....	94	92	87	88	89	89	87	91	93	88	82	85	82	81	81	81	81	75	75	77	80	78	85	86	87	90	83	83	78	86	88	84.6	
	Minimum....	67	65	54	51	59	57	51	49	53	63	44	63	47	41	56	66	56	43	44	57	45	50	58	51	63	70	64	41	44	56	64	55.2	
Quakertown.....	Maximum....	86	86	83	84	86	83	85	90	94	83	82	83	80	80	76	79	78	78	74	76	78	78	83	86	81	79	72	77	.....	.....	81.4 ^a		
	Minimum....	70	69	58	52	60	57	61	51	54	66	44	64	48	39	53	67	56	43	62	56	45	50	55	50	61	61	42	43	.....	.....	54.9 ^a		
Reading*.....	Maximum....	93	90	89	90	91	88	88	93	95	87	82	84	75	81	75	83	78	78	74	80	82	79	86	86	82	92	77	77	78	88	90	84.2	
	Minimum....	73	71	66	63	69	66	61	61	65	65	55	62	55	43	62	61	58	53	66	61	64	57	63	60	68	70	59	52	52	63	71	61.8	
Retreat.....	Maximum....	87	83	80	84	85	80	81	86	89	78	78	78	69	74	69	76	70	74	69	74	76	74	80	78	86	71	71	75	84	85	78.2		
	Minimum....	60	64	56	55	63	55	50	54	55	60	47	61	46	48	51	63	53	43	63	46	49	52	58	50	60	65	56	44	46	56	65	54.6	
Ridgway†.....	Maximum....	85	82	82	86	85	80	84	88	85	80	77	75	69	77	72	75	74	76	77	75	80	81	79	85	79	83	70	72	80	87	86	79.5	
	Minimum....	64	60	50	45	54	48	45	46	48	51	42	47	38	39	44	55	45	36	41	44	43	44	51	46	46	59	49	37	38	43	47	46.7	
Scranton*.....	Maximum....	89	84	83	86	87	81	85	90	89	77	81	78	68	75	69	77	70	76	70	74	80	76	80	85	77	89	72	71	78	86	89	79.7	
	Minimum....	72	64	58	56	66	59	55	55	59	60	51	55	51	44	63	58	52	44	64	55	48	55	60	52	64	68	54	46	47	57	71	56.9	
Selinsgrove.....	Maximum....	91	88	87	90	89	87	87	90	92	86	82	83	74	82	80	78	82	78	76	76	81	78	84	85	82	88	75	75	78	87	90	83.3	
	Minimum....	69	65	56	54	62	56	50	50	55	64	46	62	47	41	59	64	60	46	63	54	49	56	58	52	66	67	62	44	46	59	66	56.5	
Somerset.....	Maximum....	83	78	77	82	81	80	85	85	86	78	79	74	67	77	76	73	68	69	68	72	77	73	78	82	74	74	69	73	81	83	78	76.8	
	Minimum....	61	58	48	44	57	54	44	46	53	42	49	40	37	39	49	61	44	39	60	46	40	54	53	48	63	64	53	39	45	50	63	49.5	
Springs.....	Maximum....	81	78	78	80	81	77	80	82	84	78	83	74	64	77	74	73	64	67	66	71	75	76	75	79	75	78	67	72	79	80	86	75.7	
	Minimum....	61	58	49	47	54	54	46	48	53	58	47	58	38	38	51	59	44	42	59	45	43	52	52	49	59	62	53	39	45	50	63	50.8	
State College*.....	Maximum....	88	85	84	88	86	82	85	91	87	81	80	78	70	78	71	76	73	77	69	75	80	79	80	84	80	85	72	74	80	86	87	80.4	
	Minimum....	66	63	57	56	62	58	51	54	60	63	51	49	47	47	51	59	51	48	45	53	49	54	60	54	58	66	54	41	47	50	72	64.9	
Stroudsburg†.....	Maximum....	94	88	87	90	.....	96	92	100	95	85	86	85	73	82	74	84	75	82	74	83	84	81	88	88	83	99	77	77	81	90	99	85.7 ^a	
	Minimum....	60	64	54	50	50	.....	56	48	52	52	44	44	44	38	43	54	53	42	42	38	42	46	46	52	53	63	63	49	42	45	55	49.2 ^a	
Towanda.....	Maximum....	89	85	84	88	89	82	86	93	92	80	80	80	71	78	69	78	73	72	75	76	82	76	82	87	81	89	73	75	80	89	81	81.4	
	Minimum....	62	63	54	50	64	54	47	46	50	56	43	55	43	40	52	61	50	40	63	51	42	51	55	48	61	61	53	40	41	53	62	52.1	
Uniontown.....	Maximum....	86	83	84	86	87	84	85	88	89	84	87	79	75	80	78	79	75	73	69	72	78	82	80	85	81	82	72	72	82	85	88	81.0	
	Minimum....	68	65	58	57	66	62	58	56	63	58	56	67	47	47	59	66	52	50	64	52	49	64	61	56	68	69	57	49	49	59	72	58.8	
Vandergrift*.....	Maximum....	92	90	88			95	87	93	89	88	80	82	74	82	77	81	75	79	77	77	77	83	84	85	88	85	87	76	74	85	88	90	83.8 ^b
	Minimum....	68	64	57	58	64	57	53	57	60	58	57	59	46	48	56	59	49	48	62	50	49	54	58	56	66	65	54	45	47	56	61	56.2	
Warren.....	Maximum....	84	82	82	85	86	81	86	91	83	80	69	72	68	78	75	74	72	76	80	76	80	83	79	78	80	79	70	71	82	80	87	78.0	
	Minimum....	66	63	53	54	61	51	46	48	54	55	44	54	40	43	57	57	47	40	61	48	44	55	58	45	61	63	50	39	38	49	63	51.8	
Waynesburg.....	Maximum....	84	78	72	90	90	85	88	92	90	88	88	80	72	83	77	79	75	71	72	73	80	83	80	88	83	82	74	76	84	86	87	81.6	
	Minimum....	65	62	54	54	64	58	51	51	60	55	54	67	43	45	59	64	47	46	63	49	45	58	58	54	67	68	54	46	44	57	70	55.9	
Wellsboro†.....	Maximum....	89	82	82	86	86	81	84	89	88	78	76	77	69	76	69	78	74	72	76	76	78	81	76	79	85	79	70	72	80	88	88	79.6	
	Minimum....	60	59	50	47	60	48	42	46	49	54	38	51	45	40	49	59	44	41	43	44	44	50	51	44	49	62	56	35	39	43	60	48.5	
West Chester.....	Maximum....	90	89	88	87	84	87	88	91	96	86	83	86	80	81	77	83	77	80	76	.....	80	80	87	87	82	82	84	76	79	84	92	84.4 ^a	
	Minimum....	61	72	62	58	66	67	60	59	64	69	54	65	47	47	57	67	54	49	63	59	53	57	62	59	66	69	64	49	48	58	65	59.7	
Wilkes-Barre†.....	Maximum....	89	85	84	87	88	82	86	90	90	79	81	81	69	77	71	76	71	76	71	75	80	76	82	86	79	90	74	73	77	86	90	80.7	
	Minimum....	70	58	57	54	61	55	52	53	56	52	49	54	46	42	59	58	47	45	62	51	47	53	54	52	63	67	47	43	46	56	67	54.1	
Williamsport.....	Maximum....	94	87	88	91	90	85	89	93	91	84	78	83	74	81	77	81	76	77	72	78	82	78	84	87	84	82	92	76	76	81	90	87.5	
	Minimum....	66	64	56	53	63	55	50	50	56	56	46	45	44	44	57	57	50	43	63	49	42	42	60	52	65	67	59	42	43	55	64	58.5	
Williamstown.....	Maximum....	89	86	92	88	88	87	86	90	89	93	82	81	81	79	78	77	82	73	73	74	80	79	84	87	78	85	79	72	76	82	88	82.5	
	Minimum....	66	75	62	59	69	62	74	63	65	62	53	69	49	51	69	69	63	66	66	67	63	62	63	60	64	65	60	49	55	59	69	62.9	
York.....	Maximum....	95	91	89	92	93	89	90	95	97	93	88	85	83	83	85	81	80	78	80	84	84	91	87	86	91	80	78	80	90	91	86.9		
	Minimum....	68	63	55	54	68	59	51	54	57	64	47	66	44	43	65	61	54	46	65	57	49	55	61	56	68	66	65	45	48	60	65	57.5	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. † 1:30 a. m. to 1:30 p. m. ^a, ^b, ^c, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind			Relative humidity				
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	30.00	30.36	28	29.59	11	6.8	22	sw.	25	79	62	72	69
Harrisburg.....	29.97	30.35	29	29.67	12	7.0	25	n.	11	74	44	56	83
Philadelphia.....	29.97	30.37	29	29.62	12	11.5	33	n.	12	77	46	64	72
Pittsburgh.....	30.01	30.32	28	29.71	11	8.4	36	n.	11	82	48	58	64
Reading.....	29.97	30.38	29	29.64	12	9.5	29	uw.	12	73	42	54	79
Scranton.....	30.01	30.37	29	29.61	12	6.2	25	nw.	12†	82	54‡	50†	

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER
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SEPTEMBER, 1941.

No. 9.

GENERAL SUMMARY.

Temperatures were above normal in September, and an average daily excess of 0.2°, for the year, has now been accumulated. The Plateau Section averaged 63°; the Mountain, 64°; Lake Erie and the Southwest, each, 67°; and the Southeast, 69°. A few scattered stations reported means below their normals. Temperatures were high until the 10th and then dropped sharply until the 13th. They fluctuated, thereafter, between the absolute maxima reported, most generally, about the 9th and the low readings of the 13th until the end of the month, when a second drop resulted in absolute minima at most stations.

Precipitation was light and the accumulated deficiency for the year jumped to 7.01 inches. Greatest amounts fell over the western half of the State but only a few stations in the extreme southwest portion had amounts in excess of their normals. Rain was general about the 4th and 5th and again about the 10th. Thereafter, light rain fell at northwestern stations on the 16th, and generally, over western Pennsylvania, at the end of the month, but only light amounts were reported by a few scattered stations in the eastern half of the State. The Southwest Section averaged 2.43 inches; Lake Erie, 1.62 inches; the Plateau, 1.44 inches; Mountain, 1.10 inches; and the Southeast, 0.80 inch. Only twice before, in the period of record, has September had fewer days with rain. The lack of moisture became a serious problem in the Southeast where fields were too dry for farm work and farmers put their cattle on winter feeding when pastures dried up. Wells and cisterns ran dry, forcing restrictions on the use of water in some communities. As streams and rivers became lower, farmers hauled water for stock, and paper mills curtailed their operations.

Thunderstorms, most general on the 4th, 5th, and 10th, accounted for most of the precipitation. Lightning, high winds and hail, accompanying the storms, caused damage, of which the most wide-spread was reported in storms of the 10th. Lightning stunned five men in Perry County and burned the barn in which they were seeking shelter from the storm. Other fires were started at Scranton when lightning struck several buildings. The wind blew down and uprooted trees, and snapped off poles, blocking roads and disrupting utilities for brief periods. Near Lancaster, five tobacco sheds, a barn and garage were among the buildings blown down, and some crop damage resulted from hail. On the 25th, in the vicinity of Erie, a wind storm damaged property and crops.

Killing frosts were reported at some northern and mountain stations about the 13th and the 30th. Auroras were observed on various dates, but the display on the 18-19th was one of the most unusual displays of record. The most brilliant, colorful, and inspiring portion of the display occurred at approximately 7:50 p. m. on the 18th, when the fingers, streamers, and pulsating arcs and rays covered the sky, producing a conical or umbrella effect with the focal point about 70° above the southern horizon.

TEMPERATURE.

The mean temperature for the State, as deduced from the reports of 92 stations, was 66.0°, which is 1.8° above the 54-year normal for September. The highest monthly mean was 73.4° at Philadelphia-Point Breeze, and the lowest was 57.8° at Gouldsboro, Wayne County. Extremes ranged from a maximum of 98° at Marcus Hook, Delaware County, on the 1st and at Lewiston, Mifflin County, on the 9th, to a minimum of 24° at Coudersport, Potter County, on the 28th and at Lawrenceville, Tioga County, on the 30th. The greatest daily range in temperature was 57° at Lawrenceville on the 22d.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 176 stations, was 1.33 inches, which is 2.02 inches below the 54-year normal for September. The greatest monthly amount was 4.10 inches at West Newton, Westmoreland County, while the least was 0.20 inch at Mt. Pocono, Monroe County. The greatest amount in any 24 consecutive hours was 1.94 inches at Claysville, Washington County, on the 4th.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation		No of days.		
	Mean	Highest	Lowest	Average	Average Snowfall	1.01 inch or more prec.	Clear	Partly cloudy
1888.....	59.6	84	29	4.84		10	8	11
1889.....	61.9	92	30	5.05		13	8	14
1890.....	62.2	91	25	4.57		11	10	9
1891.....	66.6	94	32	2.39		7	17	8
1892.....	62.4	90	29	2.81		7	16	7
1893.....	61.2	90	26	2.67		8	9	12
1894.....	66.6	95	24	6.30		10	10	10
1895.....	67.8	100	24	1.71		6	16	9
1896.....	63.6	98	26	4.82		10	13	8
1897.....	63.8	100	24	2.18		5	18	7
1898.....	66.0	100	25	1.70		6	16	8
1899.....	61.8	95	23	4.70		10	12	9
1900.....	68.4	100	27	1.77		6	13	10
1901.....	63.6	95	29	3.59		9	14	7
1902.....	62.7	99	28	4.46		11	12	8
1903.....	63.2	94	27	2.09		6	17	8
1904.....	63.7	95	21	3.37		9	13	10
1905.....	64.0	95	27	3.41		7	15	9
1906.....	67.0	99	30	2.46		7	15	9
1907.....	64.8	95	29	6.37		14	8	10
1908.....	65.6	99	26	1.60		3	17	9
1909.....	62.8	96	26	2.27		6	15	9
1910.....	65.5	95	32	4.49		10	13	8
1911.....	64.9	92	26	5.29		10	13	9
1912.....	65.5	95	25	5.57		12	12	7
1913.....	62.4	97	24	3.28		8	13	7
1914.....	61.5	98	21	0.99		5	18	7
1915.....	66.5	96	25	2.56		8	16	9
1916.....	62.5	98	23	3.77		8	17	8
1917.....	59.0	91	25	2.31		6	16	9
1918.....	58.7	88	28	3.97		10	12	8
1919.....	64.4	96	28	2.07		8	16	8
1920.....	64.5	91	24	3.99		9	16	8
1921.....	68.9	98	31	4.68		11	13	9
1922.....	66.3	100	22	1.48		4	19	7
1923.....	64.8	92	22	3.55		10	13	10
1924.....	59.8	99	26	6.44		11	11	7
1925.....	67.5	99	24	2.80		8	11	12
1926.....	64.2	99	26	5.81		12	11	7
1927.....	64.9	97	27	2.08		6	18	7
1928.....	60.4	94	25	2.33		9	12	9
1929.....	65.7	101	24	3.71		9	14	8
1930.....	67.8	101	27	2.45		9	15	10
1931.....	69.1	104	29	3.15		9	16	8
1932.....	65.2	105	23	1.45		6	16	9
1933.....	66.3	98	32	4.66		12	13	8
1934.....	66.4	94	31	6.58		12	12	8
1935.....	62.2	95	24	3.51		8	15	7
1936.....	66.5	96	28	2.17		8	14	7
1937.....	61.5	97	25	1.90		7	17	7
1938.....	62.0	95	26	4.74		12	11	8
1939.....	65.9	101	27	2.95		9	14	8
1940.....	61.4	95	21	3.41		7	15	8
1941.....	66.0	98	24	1.33		5	18	7
Period.....	64.2	105	21	3.35		8	14	8

Climatological Data for September, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation in or more	Clear	Pt. cloudy	Cloudy				
Atlantic Drainage.	Allentown.....	260	29	67.6	+2.6	92	9	39	30	44	0.40	-2.94	0.27	0	3	20	10	0	ue.	John A. Frick.	
	Altoona.....	1,615	54	64.6	+1.5	91	9	36	27†	36	1.25	-1.67	0.57	0	5	25	3	2	w.	Robert D. Goodfellow.	
	Ardmore.....	330	21	69.8	+3.1	93	11	45	20†	37	0.72	-2.85	0.43	0	3	17	9	4	.....	H. L. Balderston.	
	Arendtsville.....	710	19	68.9	+3.1	95	9	41	30	41	0.67	-2.99	0.27	0	4	25	3	2	w.	Penn State Expt. Station.	
	Bedford.....	1,100	9	66.2	+1.2	93	9	35	13	45	0.81	0.81	0	1	24	1	5	sw.	Charles C. Lee.		
	Bethlehem.....	450	55	70.6	+3.7	94	9	42	30	42	0.32	-2.92	0.22	0	3	25	3	2	nw.	Lehigh University.	
	Bloomsburg (near).....	560	15	65.8	.....	93	9†	39	30	51	1.82	0.98	0	2	18*	9†	2†	sw.	Benj. F. Conner.		
	Carlisle.....	473	72	68.4	+2.9	96	10	41	13†	49	2.66	-0.06	1.14	0	4	22	2	6	sw.	Prof. C. E. Miller.	
	Chambersburg.....	600	44	68.8	+2.5	96	9†	42	13	46	1.57	-1.40	0.78	0	3	20	7	3	sw.	William B. Spear.	
	Clearfield.....	Clearfield.....	1,260	40	63.9	+0.1	92	9	31	30	48	2.74	-0.57	1.75	0	5	16	10	4	ne.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	431	54	69.4	+3.3	93	1†	44	13	39	0.37	-3.03	0.15	0	5	17	4	9	sw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	630	29	65.2	+1.3	90	10	38	30	42	1.26	-2.01	0.51	0	6	23	4	3	w.	Wm. A. Rorer.
	Emporium.....	Cameron.....	1,050	56	61.3 ^b	-0.2	92 ^g	9	32 ^b	30	47 ^h					8 ^c	18 ^b	1 ^b	3 ^b	w.	E. M. Poorman.
	Ephrata.....	Lancaster.....	365	44	68.9	+2.7	94	9†	40	30	47	1.11	-2.26	0.35	0	5	21	6	3	n.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,900	48	63.0	+2.9	85	9†	34	30	34	1.15	-2.70	0.83	0	2	12	1	17	w.	Andrew B. Evanson.
	George School.....	Bucks.....	160	35	68.8	+2.5	93	10	40	21	38	0.36	-3.10	0.20	0	4	24	5	1	s.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	68	70.2	+4.3	96	10	43	30	42	0.65	-2.94	0.31	0	4	24	3	3	s.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	900	37	64.4	+2.0	92	10	32	30	50	0.38	-3.65	0.19	0	4	22	5	3	sw.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,890	26	59.0	+2.4	86	9†	25	30	49	0.51	-3.25	0.43	0	2	27	1	2	n.	L. H. Ellenberger.
	Hanover.....	York.....	600	37	70.4	+2.7	95	10	44	30	38	0.76	-2.28	0.31	0	4	25	0	5	s.	Thomas Y. Cooper.
Harrisburg.....	Dauphin.....	337	72	69.2	+3.4	96	10	44	30	40	0.72	-2.33	0.35	0	3	14	10	6	w.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	23	61.9	+0.9	93	10	26	30	49	0.61	-2.60	0.37	0	4	28	1	1	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	260	26	71.6	+2.5	93	10	46	30	30	0.32	-2.44	0.15	0	5	23	4	3	nw.	Penna. Water & Power Co.	
Huntingdon.....	Huntingdon.....	700	54	65.9	+1.3	95	9	37	20	47	2.64	-0.45	1.60	0	3	21	5	4	w.	Prof. Paul R. Yoder.	
Kyertown.....	Clearfield.....	1,700	12	62.0	+0.6	89	9	32	30	45	1.09	-1.35	0.60	0	4	13	9	8	sw.	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	280	54	68.0	+2.5	91	1†	40	13†	48	0.69	-2.68	0.33	0	4	25	4	1	uw.	Supt. of Water Works.	
Lawrenceville.....	Tioga.....	996	44	62.2	+0.5	95	10	24	30	57	0.82	-2.19	0.45	0	3	17	11	2	.....	C. P. Darling.	
Lebanon.....	Lebanon.....	469	57	67.8	+2.1	96	10	40	30	44	1.12	-2.29	0.49	0	5	25	3	2	sw.	Lebanon Valley Gas.	
Lewistown.....	Mifflin.....	480	3	68.0	.....	98	9	39	27	45	0.99	0.76	0	5	18	8	4	.....	Penna. Edison Co.		
Lock Haven.....	Clinton.....	554	51	64.4	-0.5	93	9	35	30	46	0.80	-2.28	0.29	0	4	20	5	5	e.	Wm. R. Kelley.	
Marcus Hook.....	Delaware.....	50	15	72.2 ^a	+1.5	98 ^a	1	47 ^a	30	33 ^a	0.30	-2.91	0.20	0	4	28	1	1	sw.	Sun Oil Co.	
Moutrose.....	Susquehanna.....	1,656	36	61.4	+0.9	90	10	31	30	41	0.54	-3.22	0.33	0	4	18	10	2	nw.	Harry S. Fancher.	
Mt. Pocono.....	Monroe.....	1,740	35	57.8	-0.5	85	10†	29	30	45	0.29	-4.24	0.20	0	1	21	3	6	nw.	Cecil J. Hoskinson.	
Muncy Valley.....	Sullivan.....	864	29	.....	.....	89 ^o	10	42 ^o	8	37 ^o	1.15	-2.41	0.66	0	3	12	3	0	w.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	80	52	65.8	+0.4	92	10†	40	20†	42	0.29	-3.14	0.23	0	3	24	4	2	sw.	Philadelphia Sub. Water Co.	
New Bloomfield.....	Perry.....	679	3	63.4	.....	95	10	35	12	50	0.92	0.45	0	4	19	8	3	j.	Earl Sheaffer.		
Palmerton.....	Carbon.....	420	23	65.7	+1.8	95	10	34	30	46	0.64	-2.65	0.55	0	2	5	20	5	n.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	70	71.3	+3.3	93	10	50	30	33	0.51	-2.63	0.18	0	5	16	10	4	n.	U. S. Weather Bureau.	
Phila. Navy Yard.....	Philadelphia.....	20	25	71.0	+2.6	96	10	50	29†	34	0.63	-2.51	0.38	0	4	18	1	11	n.	Navy Aerological Office.	
Phoenixville.....	Chester.....	100	31	69.2	+2.3	95	10	38	13†	48	0.24	-3.03	0.11	0	3	25	4	1	w.	Philadelphia Sub. Water Co.	
Port Clinton.....	Schuylkill.....	430	3	65.7	+0.4	91	10	35	30	46	0.84	-3.21	0.43	0	4	25	2	3	n.	E. E. Rarick.	
Quakertown.....	Bucks.....	480	56	64.6	+0.7	92	10	33	30	46	0.60	-3.29	0.38	0	2	19	9	2	sw.	John E. Benner.	
Reading.....	Berks.....	273	71	69.3	+2.7	93	10	43	30	40	0.37	-2.84	0.17	0	4	19	7	4	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	47	65.3	+2.4	92	1	34	30	38	1.00	-2.17	0.86	0	4	16	12	2	n.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	420	51	66.7	+1.8	93	9†	36	30	47	0.62	-2.69	0.37	0	2	18	8	4	sw.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	45	69.1	+1.1	92	10	45	30	37	0.45	-2.71	0.25	0	3	19	14	6	nw.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	8	69.1	.....	96	9	40	13	45	0.94	0.40	0	4	22	4	4	sw.	State Teachers College.		
State College.....	Centre.....	1,217	57	64.6	+1.9	92	9	35	27	40	1.35	-1.55	0.90	0	5	10	16	4	sw.	Penna. State College.	
Stroudsburg.....	Monroe.....	400	27	.....	.....	91	9	30	30	54	0.81	-2.38	0.42	0	2	16	9	5	ne.	Metropolitan-Edison Co.	
Towanda.....	Bradford.....	754	47	64.6	+2.3	91	9	28	30	54	0.81	-2.38	0.42	0	2	16	9	5	ne.	Mrs. M. Ordella Park.	
Wellshoro.....	Tioga.....	1,319	71	60.8	+0.9	93	9	27	30	54	0.78	-2.17	0.44	0	3	10	10	10	n.	M. S. Ellis.	
West Chester.....	Chester.....	440	92	68.8 ^a	+3.2	94 ^a	10	44 ^a	13†	40 ^a	0.78	-2.74	0.32	0	5	22 ^a	5 ^a	2 ^a	sw.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	3	63.8	.....	92	1†	34	30	43	0.94	-2.53	0.77	0	4	8	17	5	n.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	542	55	61.6	+0.2	94	10	34	30	44	1.4	-1.50	0.64	0	4	20	7	3	w.	John D. McEwen.	
Williamstown.....	Dauphin.....	1,275	26	68.0	+3.3	92	1	40	30	42	0.83	-3.26	0.32	0	3	22	4	4	sw.	Susquehanna & Harrisburg.	
York.....	York.....	400	53	68.8	+2.5	97	10	37	30	50	0.47	-2.56	0.27	0	4	24	3	3	s.	York Water Co.	
Ohio Drainage.	Brookville.....	1,249	51	60.5	0.0	91	9	30	27†	52	1.77	-1.36	0.79	0	6	11*	2*	16*	.....	Frank S. Fawcett.	
	Butler.....	1,077	28	66.3	+2.1	93	9	35	27	46	1.42	-2.04	0.80	0	6	17	8	5	w.	William C. Faust.	
	Chayville.....	1,150	36	66.0	-1.9	91	9	36	12	42	2.78	-0.46	1.94	0	6	23	4	3	s.	George J. McVitt.	
	Corry.....	1,430	28	62.1	+1.1	92	9	30	27	50	2.63	-0.97	0.68	0	8	13	4	13	w.	Pennsylvania Electric Co.	
	Coudersport.....	1,665	14	58																	

Daily Precipitation for September, 1941

Stations	Drainage Basin	Day of month																														Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	
Atlantic Drainage																																		
Alentown ²	Lehigh	.04		T.				.09					.27																				0.40	
Altoona ²	Juniata				.04	.19	.44					.57																					1.26	
Ansonia ²	W. Br. Susq.					.28	.32						.06																				0.66	
Ardmore ²	Lower Del.				.25	.43				T.	.04																						0.72	
Arendtsville ²	Lower Susq.				.11	.27	.15						.11																				0.67	
Bakers Summit	Juniata				.22	.40	.24																										0.86	
Bald Eagle ²	Middle Susq.											.10																					0.85	
Bedford ²	Juniata					.81						T.																					0.81	
Bellefonte ²	W. Br. Susq.				.08	.29	.55					.19																		.13			1.24	
Berwindale ²	W. Br. Susq.				.20	.29	.35					.23																					1.07	
Bethlehem	Lehigh	.01			T.			.09				.22																						0.32
Bloomsburg (nr.) ²	Susquehanna					.95						.84																					1.82	
Blossville	Lower Susq.				.37		1.39					1.02									T.								T.	T.			2.78	
Buffalo Mills ²	Potomac					1.05	.18																										1.23	
Carlisle	Lower Susq.				.61	.60	.31				T.	1.14									T.												2.66	
Carter Camp	W. Br. Susq.				.17	1.26						.05																.05		.07			1.54	
Centre Hall	Susquehanna					.47	.24					.68																					1.28	
Chambersburg ²	Potomac					.54	.25					.78																					1.57	
Clearfield ²	W. Br. Susq.				.05	1.75	.67					.24																	.03				2.74	
Coatesville	Lower Del.				.15	.01	.14				T.	.03	.04																				0.37	
Colebrook	Lower Susq.				T.	.51	.18	.40				.10	.04								T.	.05											1.26	
Conshohocken	Schuylkill				.13	.08	.02			.03	.07	.03																						0.36
Covington ²	N. Br. Susq.					.23	.2					.05																					0.48	
Doylstown	Lower Del.				T.							.30																					0.30	
Driftwood ²	W. Br. Susq.				.17	.91						.03																.11		.06			1.25	
Du Bois	W. Br. Susq.				.95	1.14	.15					.36	.09																				2.69	
East Waterford ²	Juniata				T.	.51	.09					.20																					0.80	
Emporium ²	W. Br. Susq.											1.80																	.05					.90
English Center ²	W. Br. Susq.				.41	.49																												1.11
Ephrata	Lower Susq.				T.	.35	.03	.35				.15	.23																				0.70	
Fredericksville ²	Schuylkill	.13				.35	.08	.15			.03	.31																					1.15	
Freeland ²	Lehigh					.32						.83																						0.83
Galeton	N. Br. Susq.				.06	.49						.08																		T.			0.63	
George School	Lower Del.	T.			.05	.20	.02					T.	.09																				0.36	
Gettysburg	Potomac				.01	.31	.15					.18																					0.65	
Gordon	Lower Susq.				.03	.19	.13					.03																	T.				0.38	
Gouldsboro ²	Lehigh						.08					.43																						0.51
Graterford	Schuylkill				.02	.12	.14					.68																					0.38	
Hanover	Lower Susq.				T.	.01	.24	.20				.31																					0.76	
Harrisburg ²	Lower Susq.				T.	.28	.35					.09																					0.72	
Hawley ²	Upper Del.				.17	.04	.03					.37																					0.61	
Hollisterville ²	Upper Del.				.31		.12	.09				.41																					0.93	
Holtwood ²	Lower Susq.	.15			T.	.03	.07	.01				.06																					0.32	
Huntingdon	Juniata				1.60	T.	1.02					.02																					2.64	
Huntsdale ²	Lower Susq.				.09	.15						.79																					1.08	
Hyndman ²	Potomac				T.	.22	1.00																										1.22	
Kylestown ²	W. Br. Susq.				.46	.60						.01																					1.09	
Lakeville ²	Upper Del.	.01				.01	.02					.45																					0.49	
Lancaster	Lower Susq.				.33	.02	.18					.16																					0.69	
Lansford ²	Lehigh	T.				.04	.22					.35																					0.61	
Laurelton ²	Lower Susq.				.05	.33						.13																					0.71	
Lawrenceville	N. Br. Susq.				.25		.15					.12																					0.82	
Lebanon ²	Lower Susq.	.01			.12	.20	.34					.49																					1.12	
Lehighton ²	Lehigh					.03	.30					.35																					0.68	
Lewistown	Middle Susq.	T.			.13	.76	.04					.05	.01																				0.99	
Lock Haven ²	W. Br. Susq.				.13	.23	.29					.15																					0.80	
Mapleton Depot ²	Juniata				.05	1.91	.14					.01																					2.11	
Marcus Hook ²	Lower Del.				.04	.20						.06																					0.30	
Martinsburg ²	Juniata				.05	.61		.13																									0.79	
Matamoras ²	Upper Del.					.04	.13			</																								

Daily Precipitation for September, 1941-Continued from page 51

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Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First-order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ⁵ Precipitation for period, 1:30 a. m. to 1:30 a. m. [†] Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. T. (trace) when precipitation is less than .01 inch. ‡ Incomplete or missing. † Daily amounts inconsistent. Post Office addresses are as follows: of Blossville, Newville; of Acmetonia, Barking; of Pennline, Linesville; of Unity Reservoir, Greensburg; of Ringtown, Shenandoah; of Lock No. 5, Schenley. ⁵ Airway Station. † River Station. ||| Formerly Big Knob. †† Formerly Girardville.

Daily Temperatures for September, 1941

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Altoona	Maximum....	86	78	74	81	87	83	80	78	91	89	72	69	70	76	83	86	81	74	72	70	74	79	81	79	74	69	70	82	77	69	77.9	
	Minimum....	72	52	57	62	64	56	64	49	61	66	52	38	39	41	49	58	60	45	44	43	41	43	51	56	57	53	39	46	44	38	61.2	
Bedford	Maximum....	87	84	77	86	87	84	83	83	93	92	85	69	73	78	84	87	88	84	74	74	76	82	84	83	82	78	73	85	77	77	81.6	
	Minimum....	74	55	60	63	66	57	53	63	61	66	55	49	35	38	49	55	66	44	43	44	37	42	39	51	63	61	39	39	41	50.9		
Bethlehem	Maximum....	91	86	82	79	90	90	88	81	94	93	89	74	78	80	87	91	93	81	81	73	83	89	92	90	80	77	74	86	80	67	81.6	
	Minimum....	75	52	52	66	66	64	68	56	62	71	62	48	46	48	54	62	60	58	61	52	44	50	50	60	60	61	50	60	63	42	56.7	
Bloomsburg (near)	Maximum....	90	83	77	73	89	85	78	78	93	93	80	71	74	79	85	89	84	82	72	76	79	84	89	82	79	85	84	84	77	66	81.3	
	Minimum....	61	49	64	62	68	66	54	56	59	67	62	46	52	48	44	50	44	48	42	41	39	38	38	48	54	42	47	49	40	20	60.3	
Brookville	Maximum....	85	79	75	81	86	84	78	82	91	80	66	70	75	79	83	84	80	75	75	75	81	83	86	83	81	63	78	82	50	70	78.2	
	Minimum....	60	46	47	52	65	56	49	42	43	57	46	36	32	34	38	43	49	37	38	35	33	33	38	40	50	52	30	33	44	0	42.8	
Butler	Maximum....	88	85	84	86	87	85	85	80	93	91	83	68	76	83	85	85	86	82	76	76	83	83	82	88	82	82	76	82	79	82	49.8	
	Minimum....	48	50	55	69	72	60	50	48	68	70	60	38	36	11	39	55	65	40	42	41	41	37	42	55	59	54	35	38	48	39	49.8	
Carlisle	Maximum....	91	88	78	75	90	88	87	87	92	96	90	72	82	81	85	88	87	80	75	75	77	85	92	87	84	78	84	81	83	70	83.5	
	Minimum....	68	56	53	63	68	60	62	55	61	68	58	44	41	44	48	51	56	50	48	42	42	41	43	58	58	52	48	45	54	41	62.8	
Chambersburg	Maximum....	90	82	76	86	92	89	89	87	96	96	76	75	77	80	86	89	91	81	79	76	77	87	92	87	82	76	76	87	71	65	83.1	
	Minimum....	72	58	59	64	68	63	63	59	62	69	59	43	42	44	47	53	57	53	50	44	43	44	46	59	63	60	46	46	54	43	51.1	
Claysville	Maximum....	84	81	84	85	85	83	81	87	91	87	71	69	77	81	83	83	82	79	75	75	78	83	85	85	83	69	73	72	72	81	80.1	
	Minimum....	69	55	59	66	66	60	63	56	67	65	41	36	39	43	54	54	60	42	45	45	41	41	43	54	62	62	38	47	47	45	52.0	
Clearfield	Maximum....	88	80	74	87	87	85	79	83	92	89	69	72	77	81	86	87	82	76	76	76	75	82	87	88	86	79	70	82	74	74	80.7	
	Minimum....	63	46	49	60	65	58	50	47	56	65	49	37	35	38	45	52	54	40	42	35	37	39	41	55	52	53	35	38	47	31	47.1	
Coatesville†	Maximum....	93	81	75	77	91	88	89	82	92	93	79	79	79	79	86	89	87	78	72	72	72	76	83	88	82	80	78	75	84	73	67	81.4
	Minimum....	77	57	54	65	69	63	68	57	60	71	61	48	44	45	57	61	64	60	54	47	46	51	49	61	52	61	54	61	55	47	57.3	
Corry†	Maximum....	77	78	80	82	85	81	73	79	92	82	64	71	70	80	84	86	78	77	77	77	82	85	84	83	82	55	72	82	52	71	77.5	
	Minimum....	68	44	48	55	69	56	51	40	42	64	46	36	33	33	40	53	58	46	41	40	44	44	38	41	49	55	49	30	36	39	46.7	
Coudersport	Maximum....	85	78	78	70	68	78	75	84	89	85	68	70	76	80	83	86	80	74	78	76	82	87	86	86	80	74	68	70	60	63	77.2	
	Minimum....	61	43	40	40	42	37	38	39	52	63	43	32	28	32	40	50	53	40	36	30	30	34	36	49	50	60	28	24	30	30	40.3	
Donora*	Maximum....	86	79	87	87	88	90	84	89	93	87	70	71	78	82	86	86	84	76	79	77	82	81	88	84	86	67	74	84	61	83	81.6	
	Minimum....	62	59	64	71	64	64	69	63	71	62	51	46	41	49	60	65	49	53	56	46	47	62	61	64	66	56	46	51	49	49	56.8	
Ebensburg	Maximum....	84	77	73	85	84	80	78	82	90	87	67	66	69	75	80	82	78	71	69	69	76	81	80	80	80	59	69	79	71	71	76.6	
	Minimum....	65	47	53	62	63	57	59	45	61	63	42	35	34	40	42	47	54	38	41	40	40	36	39	50	58	50	30	37	36	33	46.6	
Emporium†	Maximum....	87	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	78.6	
	Minimum....	45	63	48	38	35	39	45	56	55	45	42	36	39	40	42	47	48	48	48	48	48	48	48	48	48	48	48	48	48	48	44.0	
Ephrata	Maximum....	93	86	73	73	92	89	89	84	94	94	78	75	79	81	88	92	91	81	77	75	81	89	83	85	83	78	78	88	79	68	83.5	
	Minimum....	71	56	51	65	70	62	61	56	62	73	61	45	41	45	50	54	55	54	52	44	43	46	46	46	59	56	57	52	49	54	40	54.3
Erie*	Maximum....	81	72	77	83	87	79	70	80	91	82	63	65	77	84	84	87	72	69	72	77	79	78	72	75	84	63	72	83	54	75	76.2	
	Minimum....	64	57	61	70	68	68	61	54	76	63	57	49	49	59	68	69	62	57	56	55	57	56	62	60	63	47	46	54	42	41	58.4	
Franklin†	Maximum....	82	79	76	83	85	84	76	79	90	83	63	71	74	79	84	84	78	77	75	74	79	84	85	83	80	61	71	81	58	75	77.8	
	Minimum....	65	51	51	55	69	61	54	49	50	65	49	42	38	39	44	51	57	46	47	42	42	42	42	47	56	53	36	37	44	35	48.7	
Freeland	Maximum....	84	76	72	86	83	81	76	69	85	85	76	66	71	74	77	84	77	72	69	77	80	82	76	71	68	67	79	70	54	74	74.7	
	Minimum....	70	50	50	58	51	57	58	47	59	69	50	41	43	51	43	51	64	51	46	45	47	53	56	52	55	42	52	42	34	51.3		
George School	Maximum....	91	89	77	73	87	87	89	80	89	93	83	73	76	79	83	85	90	90	81	77	73	78	83	91	84	81	82	76	83	78	68	82.2
	Minimum....	73	55	51	62	67	63	64	55	57	68	63	45	46	45	54	62	63	56	54	47	40	47	49	60	50	61	54	50	56	41	55.3	
Gettysburg	Maximum....	90	87	78	77	83	89	91	83	92	96	90	72	77	80	88	90	90	82	78	73	77	84	89	86	81	80	76	88	84	67	83.3	
	Minimum....	77	59	58	67	67	75	71	60	65	74	61	47	44	45	52	54	57	56	54	45	46	45	47	61	61	59	52	50	47	43	57.0	
Gordon	Maximum....	89	88	76	69	88	85	81	79	90	92	82	70	75	79	90	89	85	82	72	72	80	85	88	85	77	74	73	84	82	65	80.9	
	Minimum....	65	51	43	62	64	53	52	45	53	69	55	36	33	40	45	59	50	46	40	43	37	36	38	57	50	53	36	41	49	32	47.8	
Greensburg	Maximum....	87	83	85	87	88	85	82	85	93	88	71	71	78	83	86	85	84	78	79	79	84	83	85	84	83	73	73	82	73	83	82.1	
	Minimum....	71	55	63	68	69	60	63	55	69	68	52	42	42	46	56	56	62	46	49	51	48	46	46	56	66	50	44	50	44	54	54.1	
Grove City	Maximum....	73	75	75	79	85	81	84	80	90	85	67	72	75	80	82	82	81	76	74	73	79	86	85	83	80	69	71	80	74	78	78.8	
	Minimum....	70	52	58	58	69	68	61	67	62	64	43	50	57	62	63	66	60	50	50	50	50	50	50	50	50	50	50	50	50	50	56.2	
Harrisburg*	Maximum....	91	82	72	74	92	89	88	87	96																							

Daily Temperatures for September, 1941—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum....	89	90	80	74	87	89	85	82	89	91	85	71	74	78	83	89	87	83	76	72	77	85	88	86	78	76	74	84	83	65	81.7	
	Minimum....	66	55	45	61	66	59	55	49	51	69	51	40	36	40	49	51	52	47	45	44	40	40	42	54	54	54	41	44	52	35	49.7	
Quakertown.....	Maximum....	88	84	75	72	87	84	84	78	88	92	81	67	72	77	81	87	86	78	72	67	74	80	87	82	79	77	70	82	78	66	79.2	
	Minimum....	57	53	44	65	66	59	57	52	52	67	60	44	36	40	51	52	53	55	48	45	35	41	41	54	47	51	46	42	52	33	50.0	
Reading*.....	Maximum....	91	82	72	71	91	88	88	82	91	93	74	73	76	79	86	90	90	81	74	72	79	85	92	82	80	76	75	86	76	66	81.4	
	Minimum....	67	61	54	65	69	65	66	59	63	72	55	49	46	50	60	63	65	61	56	48	46	52	52	60	57	60	53	53	47	43	57.2	
Retreat.....	Maximum....	88	80	75	73	85	83	80	79	89	90	78	98	71	75	80	84	81	74	70	70	74	80	83	78	75	73	68	80	73	73	77.7	
	Minimum....	70	51	45	61	63	46	42	42	55	68	51	42	40	44	42	54	55	50	45	41	42	35	43	51	52	54	37	42	40	33	47.9	
Ridgway†.....	Maximum....	85	77	75	83	86	83	75	82	90	84	66	70	75	79	83	84	79	75	75	75	82	88	85	85	79	60	72	81	52	73	77.9	
	Minimum....	64	47	45	54	65	59	48	42	44	59	44	38	33	35	35	46	50	40	41	35	34	36	37	41	50	53	33	33	37	30	43.6	
Seranton*.....	Maximum....	92	75	80	73	87	85	83	77	91	92	68	69	73	78	83	87	85	75	72	75	78	85	85	81	79	67	70	82	54	63	78.1	
	Minimum....	63	53	44	65	68	63	61	53	60	64	52	46	42	46	50	59	62	59	45	45	43	48	48	55	57	59	39	44	47	34	52.5	
Selinsgrove.....	Maximum....	90	82	79	78	89	87	82	81	93	93	85	79	76	71	87	85	87	82	79	76	80	87	89	91	88	77	74	88	82	67	82.8	
	Minimum....	68	51	49	54	59	60	56	50	58	71	57	40	37	42	50	53	56	49	44	40	42	41	50	56	59	57	38	41	50	36	50.6	
Somerset.....	Maximum....	79	83	75	82	83	78	75	83	89	84	67	66	70	77	80	78	76	71	70	71	74	83	81	82	78	67	70	76	72	73	76.4	
	Minimum....	66	49	55	64	63	58	61	55	56	60	51	35	32	33	39	41	49	37	37	38	33	33	34	45	60	53	32	33	45	36	46.1	
Springs.....	Maximum....	73	80	74	81	79	77	77	83	87	83	66	64	68	75	78	78	77	71	69	67	74	81	78	82	74	65	69	77	69	72	74.9	
	Minimum....	68	51	55	63	59	57	62	54	57	61	47	33	34	36	36	46	47	39	42	45	37	37	38	48	53	45	35	39	42	36	46.7	
State College*.....	Maximum....	86	75	70	80	86	83	78	81	92	90	68	71	73	77	84	85	81	70	73	71	76	84	85	82	75	65	70	81	63	68	77.4	
	Minimum....	64	54	54	65	63	59	60	53	61	63	51	42	40	45	52	56	62	48	46	47	42	44	47	60	60	49	35	47	43	38	51.7	
Stroudsburg†.....	Maximum....																																
	Minimum....																																
Towanda.....	Maximum....	92	78	83	84	89	86	81	80	94	93	71	71	77	81	88	92	87	78	76	77	84	90	89	82	83	74	74	84	71	63	81.8	
	Minimum....	64	49	39	64	69	60	52	43	53	69	50	40	35	39	49	54	56	49	44	34	36	36	42	48	54	52	32	39	42	28	47.4	
Uniontown.....	Maximum....	84	80	85	84	85	83	81	86	92	88	70	68	76	80	83	84	80	78	79	76	79	80	80	84	74	71	81	76	82	80	80.3	
	Minimum....	72	60	68	69	71	63	66	62	68	68	53	44	44	46	58	55	61	48	53	56	50	47	46	55	66	56	43	45	53	48	56.5	
Vandergrift*.....	Maximum....	90	82	85	85	91	85	82	89	95	85	72	72	78	83	86	87	84	82	78	79	83	84	87	88	85	73	74	83	62	83	82.7	
	Minimum....	63	50	55	69	63	63	60	54	59	60	48	43	43	45	55	57	55	48	47	46	48	44	48	55	63	48	40	43	43	43	51.8	
Warren.....	Maximum....	80	78	78	82	86	81	73	80	91	84	61	70	77	80	84	85	78	75	79	77	83	86	83	84	81	66	78	81	63	73	78.5	
	Minimum....	64	48	49	64	65	57	50	45	64	63	49	38	35	45	51	55	51	46	45	40	41	40	45	57	54	47	35	42	38	32	48.5	
Waynesburg.....	Maximum....	82	80	86	86	86	84	81	87	92	86	72	71	78	80	84	84	82	77	80	80	80	84	86	88	82	71	74	82	78	83	81.5	
	Minimum....	71	59	61	68	67	61	65	57	66	62	51	40	38	42	54	53	59	44	46	50	41	41	44	54	62	55	39	42	49	46	52.9	
Wellsboro†.....	Maximum....	87	76	78	83	87	83	80	80	93	90	66	69	77	80	86	89	84	74	76	76	82	90	87	85	74	64	75	80	55	62	78.9	
	Minimum....	69	42	40	45	63	58	42	39	44	60	44	32	30	36	45	50	56	39	37	31	33	36	38	40	47	55	31	34	42	27	42.8	
West Chester.....	Maximum....	84	77	74	90	87	89	87	91	94	81	73	77	81	86	90	90	81	74	74	79	84	90	84	82	79	76	85	74	69	82	81.8	
	Minimum....	55	53	56	68	61	65	57	62	68	63	47	44	48	55	59	61	57	53	47	46	50	50	62	54	59	54	54	55	44	55	44.8	
Wilkes-Barre†.....	Maximum....	92	78	78	74	88	86	81	78	92	92	68	71	75	78	83	87	85	76	73	76	78	84	87	82	78	71	71	83	56	62	78.8	
	Minimum....	63	49	45	64	68	57	54	46	57	67	46	42	40	45	48	55	55	49	44	43	42	45	44	55	52	42	37	43	35	34	48.9	
Williamsport.....	Maximum....	92	81	74	75	91	88	81	80	92	94	72	73	75	80	87	90	87	75	76	72	77	84	90	80	82	75	73	84	73	65	80.6	
	Minimum....	70	51	48	50	48	56	52	52	56	52	39	37	41	46	52	54	49	45	41	43	42	46	51	58	55	38	42	47	34	48	48.5	
Williamstown.....	Maximum....	92	86	78	68	86	86	89	77	90	90	88	69	73	79	82	86	90	85	78	71	82	84	88	87	81	73	69	76	75	65	80.8	
	Minimum....	74	55	57	63	65	62	65	51	64	71	57	44	47	54	56	53	53	43	38	48	49	54	57	58	57	59	46	55	49	40	55.3	
York.....	Maximum....	91	89	83	77	91	90	89	86	95	97	87	75	80	82	87	91	91	82	78	78	79	86	91	87	82	79	78	87	83	67	84.5	
	Minimum....	70	55	52	66	67	60	62	54	63	74	61	41	38	44	59	52	54	49	44	40	43	44	41	54	56	54	50	50	55	37	63.0	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. ‡ 1:30 a. m. to 1:30 p. m. †, ‡, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind			Relative humidity				
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie	30.10	30.48	29	29.43	25	8.2	34	sw.	25	79	58	77	63
Harrisburg	30.11	30.40	14	29.69	5	6.5	26	s.	10	75	42	57	80
Philadelphia	30.12	30.44	14	29.73	5	11.9	39	s.	10	79	44	63	76
Pittsburgh	30.12	30.40	29	29.62	25	9.3	33	sw.	25	81	47	60	72
Reading	30.11	30.43	14	29.71	5	9.8	33	nw.	29	75	40	54	84
Seranton	30.16	30.40	20	29.67	5	6.3	35	nw.	29	86	61	51	69

* For any five-minute period
‡ Local Noon.

† Corrected to true velocities
‡ 4:00 P. M.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	1.4	2.2	5†	1.1	20†	13
Easton	Delaware	0.1	0.8	7	-0.3	26	23
Lehighton	Lehigh	2.5	2.8	2	2.3	21	9
Wilkes-Barre	Susquehanna	1.2	1.6	11	0.9	30	25
Williamsport	Susquehanna	0.4	1.3	8	-0.1	30	20
Harrisburg	Susquehanna	3.0	3.3	1	2.8	30	17
Greensboro	Monongahela	11.3	15.0	6	10.2	29	30
Lock No. 4	Monongahela	12.0	14.8	6	10.9	28	30
Pittsburgh	Ohio	•	•	•	•	•	21
Midland	Ohio	•	•	•	•	•	30

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER
HARRISBURG, PA.

VOL. XLVI

OCTOBER, 1941

No. 10.

GENERAL SUMMARY.

High temperatures, in October, increased the accumulated average daily excess for the year to 0.7°. This was the warmest October since 1920 and the fourth warmest in the period of record. All sections had averages higher than the State normal, that for the Plateau being 53.8°; Mountain, 55.5°; Lake Erie, 56.6°; Southwest, 58.5°; and the Southeast, 60.3°. Temperatures rose rapidly early in the month, culminating in phenomenally high absolute maxima at a number of stations, during the period October 5-7th, especially in the southeast portion, where record high temperatures for the month were broken or, at least, equalled. At a number of these stations, the maxima recorded were as high or higher than any since July, 1941. The 100° temperature, reported by Phoenixville, Chester County, on the 5th, established a new State record for October. The previous record was 99°, which had been observed at Carlisle, Cumberland County, on October 1, 1927. After the 7th, cooler weather prevailed. Absolute minima were reported by some northern stations on the 17th, but the majority were recorded on the closing days of the month.

Precipitation was well-distributed throughout the month but amounts were light over the eastern portion of the State, keeping the average below normal and increasing the accumulated deficiency for the year to 7.45 inches. Amounts were lightest in the Southeast, where an average of 1.51 inches was recorded. The Mountain Section had an average of 2.11 inches; Lake Erie, 3.20 inches; Plateau, 3.79 inches; and the Southwest, 3.89 inches. Maximum 24-hour amounts of precipitation were reported on various dates, being measured at the greater number of stations during the first half of the month. Drought conditions became more serious in eastern Pennsylvania due to the light rainfall. In one community, at least, the supply was so depleted that, as a precautionary measure, all water was boiled before it was used. Light snow was reported by some mountain and northwestern stations on the 10th or the 28th.

Thunderstorms were reported by western and northern stations during the early part of the month, most general being those of the 10th in which light hail was observed at scattered stations. Sleet was reported at a few northern points.

By the close of the month, killing frosts or sub-freezing temperatures had been recorded at all but a few southeastern stations.

G. W. S.

TEMPERATURE.

The mean temperature for the State, as determined from the reports of 93 stations, was 57.0°, which is 4.4° above the 54-year normal for October. The highest monthly mean was 63.5° at Marcus Hook, Delaware County, and the lowest was 49.8° at Kane, McKean County, and Gouldsboro, Wayne

County. Extremes ranged from a maximum of 100° at Phoenixville, Chester County, on the 5th, to a minimum of 19° at Lawrenceville, Tioga County, on the 17th and 26th. The greatest daily range in temperature was 47° at Phoenixville, Chester County, on the 7th.

PRECIPITATION.

The average precipitation for the State, as determined from the observations at 177 stations, was 2.77 inches, which is a deficiency of 0.44 inch, as compared with the 54-year normal for October. The greatest monthly amount was 6.87 inches at Kane, McKean County, while the least, 0.75 inch, was recorded at Holtwood, York County. The greatest amount recorded in any 24 consecutive hours was 1.65 inches at Punxsutawney, Jefferson County, on the 4th.

The average snowfall for the State was a trace, which is 0.2 inch below the 54-year State normal. The greatest monthly snowfall was a trace, reported by a number of stations.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	46.3	74	19	4.02	T	16	9	6	16
1889.....	47.3	83	13	3.85	0.2	10	8	9	14
1890.....	50.9	81	21	5.87	0.3	15	6	8	17
1891.....	50.6	91	15	3.06	T	8	11	9	11
1892.....	50.8	83	16	0.72	T	6	13	11	7
1893.....	52.0	91	17	3.26	T	8	14	8	9
1894.....	53.6	88	24	4.26	T	9	12	8	11
1895.....	47.3	76	17	1.99	0.3	5	17	8	6
1896.....	48.9	86	18	3.19	T	9	11	8	12
1897.....	51.2	95	16	1.32	T	5	14	8	9
1898.....	53.8	92	20	5.20	T	12	11	7	13
1899.....	54.6	94	15	1.55	0	6	13	8	10
1900.....	58.6	95	19	2.74	0	8	11	9	11
1901.....	52.2	83	20	1.23	T	5	16	10	5
1902.....	53.1	89	19	4.64	0.1	9	12	9	10
1903.....	53.4	91	20	4.64	0.1	9	12	8	11
1904.....	50.6	91	12	2.87	T	7	15	8	8
1905.....	53.2	90	16	4.23	T	9	14	7	10
1906.....	52.0	87	14	4.46	1.1	14	7	7	17
1907.....	48.2	87	13	3.16	T	7	16	8	7
1908.....	54.6	93	19	1.95	T	6	16	7	11
1909.....	48.4	87	15	2.27	T	7	13	7	11
1910.....	55.6	91	14	1.91	0.5	7	16	8	7
1911.....	52.3	83	18	4.83	T	11	11	7	13
1912.....	54.2	90	23	2.74	T	7	15	7	9
1913.....	54.9	88	16	5.44	0.2	13	10	6	15
1914.....	56.4	91	11	2.35	T	9	11	9	11
1915.....	54.2	85	17	2.65	T	8	15	7	9
1916.....	52.1	92	16	2.25	T	6	18	7	6
1917.....	47.2	84	12	6.98	1.7	13	10	10	11
1918.....	55.5	85	19	3.17	0	10	15	8	8
1919.....	57.5	92	21	4.77	0	17	9	8	14
1920.....	57.5	88	22	1.67	T	5	19	7	5
1921.....	52.6	84	18	2.16	0	8	17	7	7
1922.....	54.8	94	12	2.51	T	7	18	6	7
1923.....	51.0	87	12	2.38	T	8	15	8	8
1924.....	52.9	87	14	0.28	0	2	21	7	3
1925.....	46.1	83	9	4.83	3.8	15	6	8	17
1926.....	51.9	90	16	4.51	0.2	14	10	9	12
1927.....	55.6	99	21	6.40	0.1	9	17	5	9
1928.....	55.1	91	15	1.78	0.1	8	14	8	9
1929.....	50.6	85	14	5.59	T	9	12	8	11
1930.....	50.8	93	9	0.99	0.2	6	15	7	9
1931.....	55.7	93	20	1.83	T	9	15	8	8
1932.....	53.8	86	20	5.31	T	11	10	7	14
1933.....	51.6	90	11	1.91	T	8	16	9	6
1934.....	51.8	84	11	1.46	0.6	6	17	7	7
1935.....	53.0	89	16	2.77	T	9	16	8	7
1936.....	54.0	87	11	3.69	T	11	13	6	12
1937.....	50.6	89	12	5.84	0.1	14	8	8	15
1938.....	54.5	91	16	1.81	T	6	18	6	7
1939.....	53.6	92	15	3.88	T	11	13	7	11
1940.....	50.0	85	10	2.03	1.1	8	12	8	11
1941.....	57.0	100	19	2.77	T	13	9	9	13
Period	52.6	100	9	3.21	0.2	9	13	8	10

Climatological Data for October, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days			Prevailing direction of wind	Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation in or more	Clear			Pt. cloudy	Cloudy	
Atlantic Drainage.	Allentown.....	Lehigh.....	260	29	57.6	+4.7	93	5	30	26†	37	2.12	-1.43	0.62	0	9	15	14	2	ne.	John A. Frick.
	Altoona.....	Blair.....	1,615	54	55.8	+3.7	90	7	27	26	33	3.49	+0.30	0.51	0	16	17	9	5	e.	Robert D. Goodfellow.
	Ardmore.....	Montgomery.....	330	21	62.2	+7.2	98	5	33	29	36	1.84	-1.77	1.01	0	7	11	10	10	.....	H. L. Balderston.
	Arandsville.....	Adams.....	710	19	59.6	+5.6	96	5	27	26	40	1.15	-2.35	0.51	0	7	16	7	8	w.	Penn State Expt. Station.
	Bedford.....	Bedford.....	1,100	9	57.6	+4.2	92	7	24	26	38	0.94	.....	0.30	0	7	16	0	15	nw.	Charles C. Lee.
	Bethlehem.....	Northampton.....	450	55	59.0	+3.2	94	5	33	29†	29	1.81	-1.54	0.48	0	9	15	4	12	nw.	Lehigh University.
	Bloomsburg (near).....	Columbia.....	560	15	55.0	.....	90	5†	22	29	38	1.78	.....	0.33	0	10	7	16	8	nw.	Benj. F. Conner.
	Carlisle.....	Cumberland.....	473	72	59.6	+6.6	97	5	27	29	42	1.45	-1.94	0.38	0	10	14	6	11	sw.	Prof. C. E. Miller.
	Chambersburg.....	Franklin.....	600	44	59.4	+6.1	95	5	29	29	37	0.92	-2.15	0.43	0	6	11	12	8	sw.	William B. Spear.
	Clearfield.....	Clearfield.....	1,260	40	54.6	+2.3	87	6	22	26	37	3.92	+0.53	0.85	0	16	9	5	17	sw.	Otto J. W. Eppers.
	Coatesville.....	Chester.....	431	54	60.0	+6.0	94	5	29	30	31	1.54	-1.82	0.85	0	9	11	6	14	sw.	Howard L. Pyle.
	Colebrook.....	Lebanon.....	630	29	57.4	+6.0	95	5	25	29	39	2.38	-1.14	0.62	0	11	15	1	15	w.	Wm. A. Rorer.
	Emporium.....	Cameron.....	1,050	56	53.6	+3.5	87	7	25	17†	36	3.98	+0.75	1.00	0	13	6	6	19	sw.	E. M. Poorman.
	Ephrata.....	Lancaster.....	365	44	60.2	+5.6	96	5	28	29	39	1.41	-1.69	0.41	0	8	14	4	13	sw.	Ira J. Keath.
	Freeland.....	Luzerne.....	1,900	48	52.8	+5.1	86	5	26	29	30	2.19	-2.10	0.50	0	12	2	1	28	w.	Andrew B. Evansha.
	George School.....	Bucks.....	160	35	60.6	+5.3	95	5	28	29	35	1.43	-2.27	0.88	0	9	14	10	7	n.	Prof. N. W. Swayne.
	Gettysburg.....	Adams.....	553	68	60.7	+7.3	97	5	28	29	37	1.32	-2.08	0.60	0	8	15	9	7	sw.	Dr. Henry Stewart.
	Gordon.....	Schuylkill.....	900	37	55.6	+4.9	93	5	24	26	36	1.74	-2.58	0.51	0	11	12	7	12	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,890	26	49.8	+4.4	83	5	24	26	43	2.36	-1.56	0.65	0	12	13	5	nw.	L. H. Eilenberger.	
	Hanover.....	York.....	600	37	61.6	+5.4	94	5	30	29	29	1.23	-1.71	0.49	0	10	14	2	15	s.	Thomas Y. Cooper.
	Harrisburg.....	Dauphin.....	337	72	59.8	+5.0	97	7	32	30	37	1.49	-1.44	1.01	0	10	7	9	15	nw.	U. S. Weather Bureau.
	Hawley.....	Wayne.....	900	23	53.2	+3.9	87	5	23	17†	40	1.99	-1.37	0.42	0	13	17	7	7	w.	Mrs. Della M. Pennell.
	Holtwood.....	Lancaster.....	200	26	62.0	+5.6	95	6	37	29†	32	0.75	-2.06	0.21	0	9	13	8	10	nw.	Penna. Water & Power Co.
	Huntingdon.....	Huntingdon.....	700	54	56.4	+3.7	95	7	23	26	39	1.97	-1.10	0.46	0	11	10	11	10	w.	Prof. Paul K. Yoder.
	Kvliertown.....	Clearfield.....	1,700	12	53.4	+3.8	84	5†	26	26	32	3.43	+0.77	0.73	0	13	0	14	17	w.	U. S. Weather Bureau.
	Lancaster.....	Lancaster.....	280	54	59.6	+6.1	95	5	27	29	39	1.16	-1.93	0.46	0	10	15	8	8	nw.	Supt. of Water Works
	Lawrenceville.....	Tioga.....	996	44	53.0	+2.5	90	7	19	17†	46	2.22	-0.61	0.40	0	11	11	9	.....	C. P. Darling.	
	Lebanon.....	Lebanon.....	469	57	58.8	+5.1	96	5	29	26†	40	1.51	-1.88	0.55	0	9	22	3	6	sw.	Lebanon Valley Gas
	Lewistown.....	Midlin.....	480	3	59.4	.....	95	7	28	29	35	1.93	.....	0.40	0	12	7	9	15	e.	Penna. Edison Co.
	Lock Haven.....	Clinton.....	554	51	55.5	+2.0	91	7	26	29	37	1.70	-1.43	0.33	0	14	14	7	10	ne.	Wm. R. Kelley.
	Marcus Hook.....	Delaware.....	50	15	63.5	+4.0	97	5	34	29	33	1.26	-1.11	0.71	0	7	23	3	5	sw.	Sun Oil Co.
	Montrose.....	Susquehanna.....	1,656	36	50.4	+1.3	85	5	24	29	35	2.49	-1.07	0.72	0	16	7	13	10	nw.	Harry S. Fancher.
	Mt. Pocono.....	Monroe.....	1,740	35	52.0	+3.9	82	5†	25	26	34	1.98	-2.70	0.75	0	15	5	14	12	nw.	Cecil J. Hoskinson.
	Muncy Valley.....	Sullivan.....	864	29	54.8	+4.8	84	4†	21	29	47	3.91	+0.30	0.71	0	11	17	10	4	w.	H. O. Hacker.
	Neshaminy Falls.....	Bucks.....	80	52	58.2	+4.4	95	5	27	29	35	1.79	-2.23	0.88	0	10	19	8	9	sw.	Philadelphia Sub. Water Co.
	New Bloomfield.....	Perry.....	679	3	56.6	.....	85	5	25	26†	43	1.66	.....	0.49	0	10	9	13	9	w.	J. Earl Sneider.
	Palmerton.....	Carbon.....	420	23	57.1	+5.2	93	5	27	26	36	2.05	-1.34	0.69	0	10	1	10	20	sw.	New Jersey Zinc Co.
	Philadelphia.....	Philadelphia.....	26	70	62.8	+5.0	94	5	36	29	29	1.10	-1.71	0.99	0	8	11	10	10	sw.	U. S. Weather Bureau.
	Phila. Navy Yard.....	Philadelphia.....	20	25	62.8	+5.6	93	5†	37	29	27	1.91	-1.20	0.96	0	6	13	4	14	sw.	Navy Aerological Office
	Phoenixville.....	Chester.....	100	31	60.9	+6.0	100	5	25	29	47	1.05	-2.57	0.49	0	8	13	12	6	w.	Philadelphia Sub. Water Co.
Port Clinton.....	Schuylkill.....	430	3	57.2	+3.8	92	5†	26	26	36	1.88	-2.09	0.52	0	10	20	2	9	n.	E. E. Karick.	
Quakertown.....	Bucks.....	480	56	56.4	+4.2	91	5	25	26	38	1.43	-2.49	0.44	0	11	14	8	9	w.	John E. Benner.	
Reading.....	Berks.....	273	71	60.2	+4.7	94	5	32	29	32	2.15	-0.97	0.84	0	8	8	12	11	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	47	56.4	+4.5	89	5	32	17	30	2.18	-0.85	0.51	0	14	8	13	10	sw.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	420	51	58.2	+5.3	92	5†	27	26†	36	2.01	-1.56	0.37	0	12	11	12	8	nw.	Dr. George E. Fisher.	
Shawmont.....	Philadelphia.....	51	45	61.0	+5.1	94	5	30	29	31	1.17	-2.08	0.82	0	8	6	13	12	s.	Joseph J. Bryza.	
Shippensburg.....	Cumberland.....	660	8	60.5	.....	95	5†	28	29	35	1.37	.....	0.35	0	11	15	3	13	sw.	State Teachers College	
State College.....	Centre.....	1,217	57	55.9	+4.7	90	7	28	29	29	2.71	-0.31	0.64	0	12	3	18	10	sw.	Penna. State College.	
Stroudsburg.....	Monroe.....	400	27	.....	.....	95	5†	.....	.....	.....	1.52	-2.22	0.35	0	10	14	4	13	se.	Metropolitan-Edison Co.	
Towanda.....	Bradford.....	754	47	55.1	+4.3	91	5†	23	17	45	1.68	-1.23	0.28	0	16	5	12	14	nw.	Mrs. M. Ordella Parks	
Wellsboro.....	Tioga.....	1,319	71	51.3	+2.4	88	7	21	29	43	2.19	-0.84	0.43	0	14	2	13	16	sw.	M. S. Bliss.	
West Chester.....	Chester.....	440	92	60.4	+5.8	97	5	31	26†	35	1.57	-2.05	0.95	0	9	19	6	6	nw.	Harlan Saylor.	
Wilkes-Barre (Airport).....	Luzerne.....	544	3	55.4	.....	89	5†	28	26	34	1.99	-1.11	0.37	0	11	2	11	18	sw.	U. S. Airways Station.	
Williamsport.....	Lycoming.....	542	55	56.6	+4.0	91	5	27	29	39	1.50	-1.72	0.26	0	13	10	17	4	w.	John D. McEwen.	
Williamstown.....	Dauphin.....	1,275	26	57.2	+3.8	91	5†	29	30	31	1.77	-1.94	0.53	0	10	12	9	10	sw.	Susquehanna Coaleries Co.	
York.....	York.....	400	53	60.2	+6.1	97	5	26	29	41	1.34	-1.70	0.36	0	12	15	8	8	sw.	York Water Co.	
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	51	52.0	+2.8	87	7	22	26	40	4.49	+1.22	1.16	T.	16	2	7	21	.....	Frank S. Fawcett.
	Butler.....	Butler.....	1,077	28	57.6†	+4.7	88	5	25†	26	41	*	.....	1.50†	0	12†	3†	13†	12†	.....	William C. Faust.
	Clayville.....	Washington.....	1,150	36	57.8	+3.7	87	6†	29	24†	39	3.62	+0.37	0.88	0	15	17	6	8	s.	George J. Melvin.
	Corry.....	Erie.....	1,430	28	52.1	+2.8	85	6†	26	17†	41	4.88	+0.82	0.95	0	18	7	2	22	w.	Pennsylvania Electric Co.
	Coudersport.....	Potter.....	1,665	14	52.4	+5.4	86	6	20	16†	45	4.84	+1.53	0.53	T.	16	5	9	17	nw.	Philip R. Shaw.
	Derry.....	Westmoreland.....	1,172	44	58.8	+4.7	89	7	26	26	39	4.36	+1.12	0.80	0	15	13	11	7	s.	N. Dixie Wineman.
	Donora.....	Washington.....	762	15	60.7	+4.9	90	6†	35	26	31	3.43	+0.63	0.72	0	12	5	5	21	nw.	Donora Zinc Works.
	Ebensburg.....	Cambria.....	2,160	24	53.0	+3.0	87	7	20	28	37	3.82	+0.50	0.99	T.	12	9	7	15	w.	Robt. A. Wasser.
	Franklin.....	Venango.....	987	67	54.2	+3.0	87	7	29	26											

Daily Precipitation for October, 1941

Stations	Drainage Basin	Day of month																															Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh		T.	.42	.16						.26	.26				.02	.28		T.	.08					.02	T.			.62		T.			2.12
Altoona ²	Juniata	.33	.04	.09	.27	.06				.08		.19	T.			.51	.49		.37	.11				.21		.04		.19	.07		.44		3.49	
Ansonia ²	W. Br. Susq.	.05			.48	.04		.09	.36			.18					.34		.12	.16				.11	.06	.04		.13	.51				2.54	
Ardmore ²	Lower Del.	T.		.16							1.01						.02		.13					.04				.13			.35		1.84	
Aronsville ²	Lower Susq.		T.	.01							.20	.06					.07	.19		.11								.10					1.16	
Bakers Summit	Juniata	.06		.15	.22	.02					.05	.10				.10		.33		.16	.12			.07				.20			.24		1.72	
Bald Eagle	Middle Susq.	.30		.57	.02			.06			.35					.30				.32				.05							.84		0.94	
Bedford ²	Juniata	T.	.10	.10	T.						T.	T.					.10	.20		T.	.30				.04				.10				1.75	
Bellefonte ²	W. Br. Susq.		.09	.49			.03	.35	T.		T.	T.				.29	.05			.01	.21	T.			T.	.04				.19			3.61	
Berwindale ¹	W. Br. Susq.	.30	.10	1.09	.06			.21			.19					.20	.11		.02	.31	.02			.04				.21			.75		3.61	
Bothleheim	Lehigh	T.		.35	.15						.48					T.	.14	.06		T.				.08				.06	.44				1.81	
Bloomsburg (nr.) ²	Susquehanna	.16		.21	.31		.21				.10					.16	.11		.02	.17								.33			T.		1.78	
Blosserville	Lower Susq.	T.	T.	T.	.11	T.					.19	.03			.10	.54		.06	.02					T.				.38	T.		.18		0.61	
Buffalo Mills ²	Potomac					.13						.07				.24			.25									.12					1.45	
Carlisle	Lower Susq.	.04	T.	T.	.08	T.					.18				.12	.37			.04	.04	T.	T.						.38	.02		.18		3.88	
Center Camp	W. Br. Susq.	.01		.65	.05	.30		.41			.12	.12			.46				.30	.05								.52				.05	1.97	
Centre Hall	Susquehanna		.14	.50			.02	.15			.05				.40	.26		.23						.02				.15					T.	0.92
Chambersburg ²	Potomac		T.	T.		T.					.06	.10				.03	.15		T.	.15					T.			.43					3.92	
Clearfield ²	W. Br. Susq.	.38		.08	.85	.05	.14	.40	.22		.09	.30	.01			.32	T.		.05	.40					.09	.02		T.				.30		2.38
Coatesville	Lower Del.		T.	.01	.03						.85					.08			.10	.02				.02				.13				.25		2.38
Colebrook	Lower Susq.	T.		.04	.18						.29				.18	.62			.08	.03				.03				.62	.06			.11	1.15	
Conshohocken	Schuylkill	T.									.72				T.	T.	.04		.01	.17				.01				.09						
Covington ²	N. Br. Susq.	.05			.35	.05		.05	.50			.05				.35			.10	.20	.05					.20	.10		.40			.05	2.50	
Doylestown	Lower Del.	T.		.06	.10						.62					.45			.02	.09				T.				.06	.02			.02	1.44	
Driftwood	W. Br. Susq.	.10		.54	.04	.23	.06	.44			.33					.28			.34					.15				.54				.56	3.61	
Du Bois	W. Br. Susq.	.16	.02	.21	.85	.03	.24	.48	.08		.18	.22	T.			.43	.09		.37	.03				.14				.38	.18		T.	.16	4.25	
East Waterford ¹¹	Juniata	T.	T.	.04	.08	.01					.03	.05				.37	.31		T.	.14				.02	.01			.20					1.26	
Emporium ²	W. Br. Susq.	.10			.90		.10	.11	.15			.25	.06			1.00			.23	.22				.28		.10		.48					3.98	
English Center ¹	W. Br. Susq.	.06		.27	.02	.01	.02	.18								.43			.20					.16				.25				.65	2.15	
Ephrata	Lower Susq.	T.		T.	.07						.35					.22			.02	.10				T.				.41	.08			.16	1.41	
Fredericksburg ²	Schuylkill		T.	.35	.20						.19	.27			T.	.03	.24		T.	.16				T.				.75	T.				2.19	
Freeland ²	Lehigh	.14				.29	.04				.50	.09				.27	.26		.02	.20	.02	T.	T.			.05			.31			T.	2.19	
Galeton	N. Br. Susq.	.07		.34	.38	.04		.35	.35		.13	.06				.45	.02		.28	.08		.01		.26		.06		.33	.31		.01	.16	3.69	
George School	Lower Del.	T.		.03	.09						.88					.24			.01	.07				.03				T.	.04			.04	1.43	
Gettysburg	Potomac	T.	T.	T.				T.			.18					.02	.17		.04	.06				T.		T.		.60	.19			.06	1.32	
Gordon	Lower Susq.	.05			.22						.35		T.			.12			.08	.07				.02				.51	.04			.01	1.74	
Gouldsboro ²	Lehigh	.10		T.	.36		.21	T.	.03		.11	.25	T.			.28	.09		.20					.06	.02			.65				T.	2.36	
Graterford	Schuylkill			.04							.66					.27			.11	.03				.09				.05				.03	1.28	
Hanover	Lower Susq.	.02	T.	.01							.22		T.			T.	.21	.01		.01	.09			T.		T.		.49	.11			.06	1.23	
Harrisburg ²¹	Lower Susq.	.03	T.	.05	.02						.15		T.			.20	.29		.05	.01				T.		T.		.22	T.			.47	1.49	
Hawley ²	Upper Del.	.10		.20	.30			.08			.13	.23				.24	.03		.18					.03	.02			.42				.03	1.99	
Hollisterville ²	Upper Del.	.05		.34	.37						.02	.06				.51			.19					.02				.32				.01	1.89	
Holtwood ²	Lower Susq.		.02	.02	.02						.21	.11				T.	.10			.06				.01	T.			.20					0.75	
Huntingdon	Juniata	.11	T.	T.	.30	.01					.10	.03				.46	.26		.25	T.				.11				.10				.24	1.97	
Huntsdale ¹	Lower Susq.	.03		.03	.03						.18					.12	.16		.06	.05								.35				.36	1.37	
Hyndman ²	Potomac	T.	T.	.10	.05	T.	T.				.05	.03				.10	.25		.03	.30				T.				.22				T.	1.13	
Kylertown ²¹¹	W. Br. Susq.	.24	.01	.60	.01	.05	.12	.73			.08	T.	T.			.35	T.		.23	T.				.03	T.	T.		.31	T.			.67	3.43	
Lakeville ²	Upper Del.	.12			.22				.47		.22	.16				.29			T.	.16				.01		.10			.40				.09	2.24
Lancaster	Lower Susq.		T.	.03	.04						.46	T.				.15			.03	.12					.01			.20	.07			.05	1.16	
Lansford ²	Lehigh	.02	T.	.28							.23	.30				.15	.19		T.	.10					.14	T.		T.	1.00				2.41	
Laurelton ¹	Lower Susq.	.08		.35	.07			.14			.14					.21	.13		.14					.02				.21				.52	2.31	
Lawrenceville	N. Br. Susq.	T.		.10	.40	T.		.22	.15		.08					.35			.25				T.		.15	.10		.10	.32			T.	2.22	
Lebanon ²	Lower Susq.		T.		.13						.14	.15		.02		.16	.26		.01	.09				T.				.55						

Daily Precipitation for October, 1941—Continued from page 57

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Scranton ¹	N. Br. Susq.	.10	T.	.41	.10		.01	.03			.12	T.	T.		.40	.03			.29			T.		.03	T.		.01		.31	T.		.02	.32	2.18
Selinsgrove	Lower Susq.	.05		.17	.26			.02			.11	T.			.37	.37			.37	.04				.06		.22	.02			.32	2.01			
Sellersville	Lower Del.			.03							.58				.04	.43	*	*	.13	.02						.18	*	*	*	.39	1.72			
Shade Gap ¹	Middle Susq.			.03							.10				.24	.18	*	*	.07							.21	*	*	*	*	*	.39	1.13	
Shawmont	Schuylkill	T.	T.	.03	.01						.82	T.			.02	T.			T.	.17				.02		.04	.06			T.	.17			
Shippensburg	Lower Susq.	.02		T.							.16	.03	.01		.22	.24			.08	.07						.35	.08			.11	1.37			
South Mountain ²	Potomac			.02	.03						.09	.19			.09	.20			T.	.16	T.				T.		.41			T.	1.19			
State College ¹	W. Br. Susq.	.19	.01	.62	T.			.02			.17	T.	T.		.29	.24			.23	.01				.06		.23	T.		T.	.64	2.71			
Stroudsburg ²	Upper Del.	.03		.12	.19						.22	.23			.11	.13			.01	.17					.01		.35				1.52			
Sunbury ²	Lower Susq.	.06	T.	.15	.33			.02	.05	T.		.02	.13		.01	.17	.22		.01	.17			T.		.03	.05		.24			.02	1.68		
Susquehanna ²	N. Br. Susq.	.01		T.	.62	T.			.14		T.	.02			.09				.13			T.	T.		.28		.10				.06	1.45		
Towanda	N. Br. Susq.	.03		.18	.18	.01		.03	.18		.02				.18	T.			.28	.03		T.		.13	T.	.06		.07	.13	.10	.07	1.68		
Ohio Drainage																																		
Wellsboro ²	N. Br. Susq.	.05			.40	.03	.02	.06	.33			.06			.40				.08	.14	T.	T.		.01	.15	.03		.43			T.	2.19		
Wernersville ² [nr]	Schuylkill			.12	.18						*	.24			.08	.22			.01	.11		T.		T.		.76					1.72			
West Chester	Lower Del.	T.	T.	.03	.01						.95				.18				T.	.09				.02		.14	.01		.14		1.57			
Westgrove ²	Lower Del.			.03							.65	.29			.21					.10					.02		.18				1.50			
Wilkes-Barre ^{5**}	N. Br. Susq.	T.	T.	.33	.02	.18					.19		T.		.25	.06			.18					T.	.06	T.		.37	T.		.01	.34	1.99	
Williamsport ²	W. Br. Susq.	.11		.02	.24		.19	.17	.05			.01			.20				.02	.18	.01			T.	.04		.26				.03	1.50		
Williamstown	Lower Susq.	.03		T.	.11						.38	T.			.11	.53			.03	.14				T.		.35	.06			.03	1.77			
York	Lower Susq.	T.	.01	.03	.01						.33	T.			.03	.28	.01		.04	.08			T.		.03		.36	.09		.07	.13	1.37		
York Haven ²	Lower Susq.		T.		.04						.07	.17			.03	.04	.12		.07							.79				.03	1.23			
Zionsville (near)	Schuylkill			.25	.11						.45				.27				.21							.36	.57			.01	2.23			
Trenton, N. J. ^{1†}	Lower Del.	T.		.10	.07						.76				T.	.14			.07	T.		T.		.06		.01	.05			.32	1.48			
Atlantic Drainage (continued)																																		
Acmetonia ²	Allegheny	.29	T.	.39	1.01	T.	T.	.11	.03		.03	.03	.01		.92	.26			.04	.51			T.	T.	.12	.02		.19		T.	.02	3.98		
Beaver Falls ²	Beaver	.03	T.	.51	1.46	.05	.01	1.26	.02		.02	.06			.13				.04	.51			T.	T.	.12	.02		.19		T.	.02	4.30		
Blairsville	Allegheny	.39	.01	.18	.58	.01	T.		.04		.29	.02	T.		1.47	.43			.07	.49	T.		T.	T.	.48	.07		.01	.25		.05	4.31		
Bradford ²	Allegheny			.78	.79	.11		.57	.20		.30	.17			.63	.02			.13	.21			T.	T.	.56		.24		.16	.21	.01	.14	5.23	
Brookville ²	Allegheny	.06		.07	1.16	.04	.36	.61	.03		.03	.45	T.		.21	.60			.06	.50	T.		T.	T.	.16	.04	.05	T.	.27	T.		.49		
Buckstown ¹	Allegheny	.38	.41	.12	.03						.21	.01			.21	.30			.39					.11	.04		.05			.58				
Butler	Ohio	.07	*		2.15		.08	1.50			.01	.01			.18	.03			.05	.39				.09	.14	.07	.02	.15			.02	4.08		
Clarion ²	Allegheny	.05		.07	1.26	.02	.21	.31	.36		.01	.40	.01		.38	.48			.49	T.				.12		.02	.12			.12	T.			
Claysville	Ohio	.24	.11	.32	.18	.04		.04	.10		.08				.38	.48			.49	T.				.12		.02	.12			.12	T.			
Conduent ²	Youghiogheny	.01	.17	.68	.13	.08	T.	.01	T.		.08	.06			.48	.50			.02	.76	T.		T.		.21	.05		.11		T.	.05	4.18		
Conneville ²	Monongahela	.28	.19	.34	.19	.05	.05				.42	.05			.64	.80			.03	.65			T.		.29	.05		.11			.13	.03	3.80	
Coraopolis ²	Ohio	.21		.14	1.05	.04		.10	.02		.02	.06	T.		1.10	.06			.06	.55				.01	.11		.08	.63		.03	4.15			
Corry ²	Allegheny	.05		.10	.95	.08	.08	.31			.13	.41			.28	.31			.12	.20				.80	.02	.30		.08	.63		.03	4.15		
Coudersport	Allegheny	.30		.51	.49	.07		.53	.31		.13	.43			.46				.32	.14				.28	.02	.15		.21	.32	T.	.19	4.84		
Ohio Drainage																																		
Derry	Conemaugh	.49		.30	.28	.03		.09			.15	.18			.62	.80			.39	.03				.28		.20	.28			.24	3.43			
Donora ³	Monongahela	.27	.37	.18	.03	T.		.04			.04	T.			.41	.72			.37					.08		.01	.28			.64	3.43			
Dunlop	Allegheny	.17	.04	.22							.82	.61			.65	.99			.58				.19	.02	.01	.13			.52					
Ebensburg	Conemaugh	.41		.11	.32			T.	.02		.04				.65	.99			.45	T.			.36		.08	.17	T.		.22	.24				
Franklin ²	Allegheny	.01		.23	.77	.04	.52	.82	.14		.06	.32	.03		.22				.04	.28			.14	.10	.09	.03	.34			.02	4.21			
Greensboro ²	Monongahela	T.	.22	.77	.07	.03	.04	T.			.12	.04			.36	.41			.07	.56				.08		.12	T.		.07	2.90				
Greensburg	Youghiogheny	.31	.03	.30	.32	.02			.18	T.	.12	.01			.52	.76			.45	.03		T.		.25		.08		.17	.13		.41	4.01		
Greenville	Beaver	.06	.05	.80	.23	.68	1.40				T.	.23			.12				.36	.02			.26		.04			.28		.42	4.52			
Grove City	Beaver	.02	.06	.83	.21	.05	.33	.79			.11	.03			.56	.07			.15	.01			.15		.04		.06	.37		.09	.30	4.20		
Indiana	Allegheny	*	.45	.12	.95	.04		*	.21		.15	.02			* 1.12				* 52		T.		.15		.07	.30	.04		.23	.46				
Irwine	Monongahela	.30	.10	.36	.32	.04		*	.11		.06				2.10	.03			.48	.02			.25		T.		.18	.08		.72	3.80			
Johnstown	Conemaugh	.21	.04	.17	.19			.09			.30				.49	.62			.61	.07			.22		.14	.13		.44		.44	3.80			
Kane Airway Sta ^{**}	Allegheny		.07	1.45	.13	.28	.23	.93			.50	.04	.02		.81				.58	.05		T.		.62	.14	T.		.41	T.		.61	6.87		
Ohio Drainage																																		
Lake Lynn ²	Monongahela		.11	.61	.06			.05			.08	T.			.50	.22			.04	.68				.06		.20					2.61			
Lock No. 4 ²	Monongahela	.32	.04	.37	.18	.03		.01			.06	.02			.64	.32			.05	.34				.14	.02		.38			.64	2.96			
Lock No. 5 ²	Allegheny	.27		.43	.17	.02	T.	.73	.04		.09	.01			.40	.19			.03	.50			T.	.07	.02	T.	.20			.02	4.31			
Lycippus	Conemaugh	.36	.05	.11	.52	.05					.12	T.			.30	.17			.50	.05			.24		.08	.12	.07		.30	.44				
Marienville	Allegheny	.04	.09	.10	.14	.10	.11	.06	.48		.49	.08	.02		.62				.35	.05			.03	.39	.13		.45			.59	.51			
McKeesport ²	Monongahela	.29	.09	.25		.32					T.				.95	.02			.24	.16				.17	.03	.01		.21		.05	.28			
Meadville ²	Allegheny	.04	T.	.04	.77	.15	.02	.90	.10		.03	.30	.08		.25	.02			.02	.18				.43	.06	.07		.01	.60	.03	.02	.43		
Mercer	Ohio	T.	.28	1.08	.04																													

Daily Temperatures for October, 1941

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Altoona	Maximum... 73	66	71	81	88	87	90	78	61	61	56	69	75	77	68	61	57	54	61	63	70	66	63	54	53	56	58	57	47	55	57	65.9	
	Minimum... 55	54	56	61	61	67	62	51	39	46	40	37	42	48	58	49	29	45	52	52	45	44	45	32	37	27	46	35	29	33	45	15.7	
Bedford	Maximum... 76	68	78	81	89	88	92	84	72	65	57	71	74	80	69	62	58	55	66	65	70	72	66	58	55	57	60	60	59	59	57	68.7	
	Minimum... 58	55	57	66	63	73	60	55	37	55	44	15	36	47	61	38	27	48	51	52	47	39	40	33	44	21	49	10	32	31	16	36.9	
Bethlehem*	Maximum... 83	79	69	86	94	92	81	76	74	65	59	70	76	80	64	60	65	61	68	68	68	71	62	58	53	60	66	61	53	57	56	69.0	
	Minimum... 62	50	60	66	68	73	63	56	48	47	45	42	48	54	54	43	37	49	50	42	52	50	47	41	35	48	35	33	33	47	49.1		
Bloomsburg (near)	Maximum... 75	74	74	85	90	87	90	78	68	68	65	68	72	72	61	60	60	61	65	67	68	68	61	69	60	58	68	62	50	52	54	67.9	
	Minimum... 46	41	56	52	65	67	65	58	52	50	41	33	34	41	45	33	25	39	47	36	50	38	38	30	28	24	41	35	22	29	42	42.2	
Brookville	Maximum... 69	67	72	81	83	85	87	64	64	66	57	68	73	65	68	59	60	58	65	70	64	64	62	56	50	58	61	41	48	5	56	61.6	
	Minimum... 40	40	40	58	60	60	61	45	39	39	39	40	33	37	41	26	29	48	52	45	36	38	29	31	22	24	36	34	29	41	39.5		
Butler	Maximum... 69	75	79	81	88	87	87	85	65	65	60	60	75	75	68	67	63	60	...	70	66	67	61	...	55	67	63	67	64	61	69.8		
	Minimum... 58	44	60	67	62	61	50	50	12	52	40	40	31	58	53	38	29	51	...	45	39	44	33	...	25	40	38	37	40	...	15.1		
Carlisle	Maximum... 80	72	76	88	97	96	96	88	75	67	64	75	76	83	68	63	61	58	73	65	78	71	70	63	61	64	62	62	53	58	55	71.6	
	Minimum... 57	53	58	65	60	69	61	58	43	59	45	33	11	52	61	52	30	50	50	45	55	17	43	36	46	28	42	41	27	28	43	47.7	
Chambersburg	Maximum... 84	68	75	81	95	93	94	85	82	69	61	76	75	81	67	66	62	55	72	64	77	67	69	59	60	58	63	59	50	60	58	70.6	
	Minimum... 57	59	59	68	62	72	64	61	45	49	46	10	40	51	51	49	49	50	50	53	47	45	40	40	30	43	40	40	29	32	42	38.2	
Claysville	Maximum... 77	72	80	79	84	87	87	82	66	64	61	71	75	71	67	63	62	59	65	69	70	68	65	54	54	64	65	65	62	66	61	68.5	
	Minimum... 57	52	61	65	68	68	61	46	38	52	37	41	36	53	52	34	34	51	57	48	45	38	47	29	40	29	57	39	29	38	55	47.2	
Clearfield	Maximum... 73	66	76	83	86	87	86	79	66	62	58	69	75	70	70	62	60	54	67	68	67	65	57	52	59	56	58	50	58	54	66.1		
	Minimum... 57	43	51	63	69	62	61	48	38	41	39	32	38	41	51	36	24	43	51	55	45	39	31	28	36	22	40	35	30	30	47	42.9	
Coatesville†	Maximum... 85	73	78	86	94	92	90	78	70	66	61	69	74	78	70	62	62	63	74	70	74	67	68	58	58	58	65	64	52	60	60	70.3	
	Minimum... 61	57	62	67	66	71	65	66	51	54	44	41	45	50	58	45	35	50	54	45	53	50	43	39	46	41	44	37	30	29	44	49.8	
Corry†	Maximum... 68	69	68	78	78	85	85	63	62	60	57	67	74	69	67	57	67	58	65	63	59	60	59	55	51	57	62	46	49	52	68	63.6	
	Minimum... 45	38	41	62	65	60	63	48	35	38	39	41	36	41	32	38	26	29	49	49	40	35	44	29	33	26	32	32	32	37	42	40.6	
Coudersport	Maximum... 68	74	70	80	81	86	85	79	68	60	57	67	68	70	58	65	52	60	67	65	67	68	60	53	49	58	59	59	49	51	50	61.6	
	Minimum... 46	36	52	60	61	58	50	46	40	35	30	40	35	35	20	40	48	43	41	44	40	38	25	32	20	42	30	27	30	42	40.1		
Donora*	Maximum... 74	75	82	82	88	90	90	71	69	67	63	75	75	73	65	63	64	62	68	69	72	70	66	57	58	66	68	59	56	69	67	70.0	
	Minimum... 58	57	68	67	71	73	67	50	43	49	42	49	47	57	49	42	42	56	61	53	54	45	41	37	39	35	58	41	39	41	56	51.4	
Ebensburg	Maximum... 69	65	76	78	84	83	87	74	68	61	54	65	71	74	61	57	55	57	61	64	65	62	60	52	50	58	60	60	45	55	59	64.1	
	Minimum... 47	47	54	61	61	66	60	45	32	41	35	31	34	46	49	35	26	43	53	47	39	41	41	30	33	20	41	31	26	32	45	41.8	
Emporium†	Maximum... 70	74	75	82	84	86	87	63	67	59	56	69	73	68	69	59	61	63	65	67	65	65	62	55	51	60	59	51	53	58	68	61.3	
	Minimum... 39	44	46	63	64	62	63	47	39	41	39	36	41	40	42	35	25	30	51	47	47	42	41	31	35	25	26	33	36	44	46	41.9	
Ephrata	Maximum... 88	73	71	89	96	94	94	85	73	69	62	74	77	81	68	67	63	63	76	68	74	73	71	60	60	60	63	63	55	58	57	71.9	
	Minimum... 62	51	62	67	63	69	63	45	58	45	35	40	55	63	48	31	48	51	42	52	46	41	38	45	30	47	40	28	32	45	48.5		
Erie*	Maximum... 61	72	71	76	80	76	88	61	60	58	57	63	74	68	62	53	67	60	61	62	62	63	61	55	47	59	65	44	47	56	52	62.8	
	Minimum... 54	52	61	66	69	69	64	51	45	49	49	51	48	50	46	44	40	55	55	53	50	48	46	41	42	39	44	39	39	45	49	50.3	
Franklin†	Maximum... 65	72	73	80	81	86	87	65	62	59	59	68	73	66	67	59	59	61	65	66	63	63	57	50	59	67	43	49	58	59	64.8		
	Minimum... 41	45	45	67	67	66	65	51	44	44	41	42	39	39	45	38	31	31	52	52	45	40	41	32	32	29	30	37	37	38	42	43.5	
Freeland	Maximum... 67	76	74	78	86	82	80	74	65	58	54	62	68	64	59	48	57	51	58	64	63	64	58	48	48	45	68	58	47	44	46	61.4	
	Minimum... 52	46	54	62	66	65	59	52	42	47	37	41	43	48	46	39	34	44	49	39	49	43	44	34	35	29	40	29	26	31	41	44.1	
George School	Maximum... 86	79	78	88	95	94	81	81	72	68	63	72	71	80	71	67	63	63	79	70	72	72	66	62	60	58	74	69	56	60	59	71.9	
	Minimum... 62	53	61	69	68	73	65	65	46	56	46	37	44	50	63	46	33	44	54	54	44	52	48	43	40	45	31	45	43	28	32	42	49.3
Gettysburg	Maximum... 90	74	77	87	97	94	96	91	73	68	62	74	74	81	71	68	64	62	75	74	78	74	70	62	62	58	61	61	50	56	60	72.3	
	Minimum... 62	60	61	70	63	73	61	63	45	57	45	37	42	54	66	49	32	51	51	49	48	46	42	38	40	30	35	46	28	30	45	49.1	
Gordon	Maximum... 79	73	69	85	93	89	89	80	69	64	68	68	70	73	62	60	60	60	65	68	70	66	64	57	55	56	64	62	48	52	56	67.5	
	Minimum... 57	40	56	65	60	64	60	57	38	53	42	32	31	51	53	44	25	41	52	34	44	44	36	34	41	24	38	38	25	28	44	43.7	
Greensburg	Maximum... 75	75	79	81	86	88	89	83	69	65	60	70	75	72	63	61	63	60	66	70	70	67	59	55	54	67	67	64	58	68	61	69.0	
	Minimum... 59	54	63	66	66	69	65	51	38	50	42	44	42	53	53	40	33	52	58	52	48	41	50	34	41	29	53	39	36	41	53	48.9	
Grove City	Maximum... 75	69	73	78	81	84	85	84	60	59	58	67	71	68	67	61	57	56	61	66	67	64	63	57	53	57	66	54	47	56	56	65.2	
	Minimum... 59	48	59	59	67	67	65	53	50	40	44	43	47	57	50	41	36	45	55	46	47	37	43	39	36	30	51	28	35	38	49	47.7	

Daily Temperatures for October, 1941—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Port Clinton.....	Maximum...	81	76	71	85	92	92	88	79	72	68	60	67	69	77	66	61	57	60	70	65	70	70	68	61	57	54	62	62	53	53	55	68.4	
	Minimum...	61	44	58	61	66	67	60	60	41	56	44	31	38	59	55	43	28	42	50	37	46	43	39	34	39	26	40	46	27	39	42	45.9	
Quakertown.....	Maximum...	81	76	70	83	91	88	83	75	70	65	59	68	67	78	67	69	59	62	70	65	69	67	65	58	55	55	65	64	50	57	57	68.0	
	Minimum...	60	43	59	66	63	68	61	61	40	53	43	30	38	49	56	42	28	39	52	31	46	44	37	35	42	25	39	40	28	26	41	44.7	
Reading*.....	Maximum...	82	72	73	87	94	92	86	77	72	68	60	72	72	80	67	66	62	62	73	68	73	71	69	59	58	57	67	63	54	57	57	70.0	
	Minimum...	66	54	61	68	68	71	65	58	50	49	47	40	47	55	56	42	36	50	55	44	55	52	49	42	43	34	51	37	32	36	48	50.4	
Retreat.....	Maximum...	74	74	68	80	87	84	87	79	65	65	59	65	68	71	60	58	59	60	60	64	64	66	62	57	54	52	67	64	47	51	54	65.3	
	Minimum...	57	43	56	64	62	64	63	56	44	45	40	30	42	46	49	40	29	40	50	37	44	48	40	35	33	27	44	35	27	30	41	44.1	
Ridgway†.....	Maximum...	68	72	70	80	83	85	86	59	67	61	57	68	72	67	69	59	69	59	64	69	63	63	63	57	50	59	64	38	50	56	56	64.3	
	Minimum...	39	41	41	61	65	62	62	48	38	39	38	38	38	39	41	31	24	25	46	52	43	36	40	28	29	22	22	35	32	32	40	39.4	
Scranton*.....	Maximum...	76	76	69	81	89	85	89	75	63	62	56	66	71	69	62	54	62	59	64	66	67	65	59	58	49	57	67	64	46	51	55	65.5	
	Minimum...	57	48	58	67	66	69	68	53	50	47	41	39	50	56	50	38	32	46	18	39	45	46	44	39	42	32	48	35	33	39	47	47.4	
Selinsgrove.....	Maximum...	78	73	68	82	92	91	92	88	63	70	62	73	72	75	72	64	65	61	72	65	71	71	68	65	59	57	63	61	52	52	61	69.8	
	Minimum...	57	44	58	65	67	68	64	56	45	49	42	37	42	50	52	47	29	47	50	45	50	43	43	35	41	27	44	42	27	30	45	46.5	
Somerset.....	Maximum...	68	68	77	77	78	80	80	75	71	60	48	62	71	66	63	58	59	58	58	64	67	65	58	47	50	55	63	61	49	60	55	63.6	
	Minimum...	55	49	56	62	62	65	65	47	44	45	38	35	32	40	53	37	25	47	55	40	41	35	38	33	39	21	47	35	30	27	43	42.9	
Springs.....	Maximum...	70	67	75	75	80	79	82	73	69	62	52	58	68	70	62	55	54	60	62	65	65	64	60	50	49	54	63	60	46	62	54	63.4	
	Minimum...	53	56	56	62	57	64	55	48	43	35	35	40	35	44	50	37	27	44	54	43	42	34	37	32	38	21	50	33	28	27	44	42.6	
State College*.....	Maximum...	71	66	70	80	86	86	90	70	66	62	54	67	71	75	64	61	57	60	69	65	68	64	64	64	51	55	60	50	47	53	50	65.0	
	Minimum...	54	46	60	66	67	70	67	52	44	42	42	41	42	60	48	36	31	49	53	50	46	45	42	35	29	50	32	28	39	48	46	8	
Stroudsburg†.....	Maximum...	85	88	72	.....	95	95	85	80	77	67	67	70	75	71	70	68	71	66	72	71	72	73	65	66	63	62	67	55	58	56	.....	71.8 ^a	
	Minimum...	.....	.....	.....	.....	58	.....	.....	.....	45	34	38	.....	44	.....	.....	.....	.....	.....	.....	.....	.....	38	37	35	36	26	.....	24	27	.....	.....		
Towanda.....	Maximum...	76	82	70	84	91	89	91	79	66	65	61	72	75	65	73	58	63	56	62	64	69	69	61	59	50	57	63	63	47	51	52	67.2	
	Minimum...	57	37	55	63	63	63	61	53	48	45	38	33	43	50	39	40	23	44	47	35	38	42	38	32	36	24	45	34	27	32	44	43.0	
Uniontown.....	Maximum...	78	74	80	77	86	85	88	81	71	65	60	71	73	75	65	59	62	60	68	70	70	66	62	56	66	65	67	65	59	69	61	69.2	
	Minimum...	62	59	64	66	67	71	65	51	42	53	40	45	40	53	55	40	38	53	58	51	50	42	48	35	43	30	52	41	38	42	54	49.9	
Vandergrift.....	Maximum...	74	68	78	82	87	88	86	74	66	65	60	72	75	72	70	63	65	68	66	69	71	67	67	58	56	66	60	59	54	68	61	69.0	
	Minimum...	51	49	58	66	68	70	68	48	44	46	43	42	42	54	48	39	32	43	49	42	48	43	42	34	32	28	54	40	38	38	54	46.9	
Warren.....	Maximum...	70	74	71	79	80	85	86	69	63	59	56	66	75	65	66	56	66	57	63	65	60	65	61	55	47	59	64	56	52	53	54	64.5	
	Minimum...	50	44	58	64	67	60	64	51	41	41	42	41	42	52	41	39	27	47	56	50	43	41	43	31	35	27	50	32	34	39	47	45.1	
Waynesburg.....	Maximum...	77	74	80	79	86	88	89	83	74	66	63	73	76	73	64	61	62	61	66	73	71	69	65	56	57	66	67	66	58	63	61	69.9	
	Minimum...	55	55	65	66	68	70	64	48	40	53	37	41	36	53	42	40	32	51	58	47	46	41	47	30	45	27	55	40	32	37	52	47.5	
Wellsboro†.....	Maximum...	74	78	68	84	86	87	88	67	67	67	62	57	70	72	64	71	56	65	57	58	69	67	70	60	59	50	57	60	38	46	49	53	64.8
	Minimum...	32	38	41	56	61	56	58	51	40	41	39	33	35	45	35	38	22	24	45	37	39	37	39	30	31	22	26	37	21	24	36	37.8	
West Chester.....	Maximum...	88	75	78	87	97	93	92	82	71	67	62	72	74	78	71	64	62	63	73	70	71	69	67	59	58	68	65	65	61	59	71.4		
	Minimum...	60	57	59	67	66	73	64	66	57	56	43	37	45	51	56	46	34	48	54	44	52	48	44	37	45	31	43	36	31	33	45	49.3	
Wilkes-Barre†.....	Maximum...	76	76	69	81	89	89	88	75	66	62	60	68	71	67	61	56	63	60	65	67	68	68	60	56	50	57	68	63	48	51	55	66.2	
	Minimum...	47	43	58	65	66	63	66	53	50	44	36	38	51	50	44	31	29	46	42	48	43	40	41	40	37	28	51	35	31	33	47	44.7	
Williamsport.....	Maximum...	77	74	68	86	91	89	87	74	68	60	60	71	73	72	63	62	60	57	65	65	68	70	62	61	58	67	63	64	50	51	55	67.5	
	Minimum...	57	45	58	63	65	64	64	54	46	48	42	39	41	55	49	41	30	47	49	40	43	40	43	35	40	28	48	38	27	35	46	45.8	
Williamstown.....	Maximum...	77	70	67	79	91	88	91	89	77	63	60	65	69	73	64	58	58	57	60	60	67	67	65	60	54	50	59	57	46	48	51	65	67.5
	Minimum...	57	53	58	66	67	71	64	58	46	54	40	50	43	53	54	46	35	47	46	47	52	45	51	37	42	33	44	41	33	29	45	48.6	
York.....	Maximum...	86	73	78	88	97	94	96	89	74	69	63	75	76	82	70	66	64	62	74	68	77	73	75	64	61	59	65	63	54	57	59	72.6	
	Minimum...	62	56	57	68	61	69	61	63	41	58	39	34	39	57	64	48	28	49	47	48	54	43	40	37	48	27	42	46	26	29	43	47.9	

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. † 1:30 a. m. to 1:30 a. m. ^a, ^b, ^c, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	30.08	30.58	29	29.52	27	8.5	26	nw.	10	83	72	80	21
Harrisburg.....	30.11	30.57	29	29.71	23	7.4	34	s.	27	76	50	61	57
Philadelphia.....	30.10	30.56	30	29.71	10	12.4	34	sw.	27	82	48	65	55
Pittsburgh.....	30.12	30.53	29	29.62	27	10.2	37	nw.	10	84	59	70	43
Reading.....	30.11	30.58	30	29.69	23	10.8	35	nw.	10	76	48	60	63
Scranton.....	30.12	30.60	29	29.66	23	6.9	28	sw.	10	78	57	55	54

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER
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NOVEMBER, 1941

No. 11.

GENERAL SUMMARY.

Temperatures, during November, averaged higher than they had since 1935 and the accumulated average daily excess for the year increased to 0.9°. All sectional averages again exceeded the State normal, 41.5° in the Plateau being the lowest, while the Mountain had 42.8°; the Southwest, 45.1°; Lake Erie, 45.4°; and the Southeast, 46.9°. Periods of warm weather occurred at the beginning, about the middle, and at the end of the month. While some stations reported absolute maxima at the beginning or the end, the majority had readings which equalled or exceeded all others during the period, November 18-20th. Lowest minima occurred, at practically all stations, on the 25th. The death of one man, in Washington County, was attributed to exposure during the cold weather about the 10th.

Precipitation was again deficient, increasing the accumulated deficiency for the year to 7.82 inches. It was general over the State during the first week and the period, November 20th-23d. In addition, light amounts were recorded, west of the mountains, during the second week. The Plateau Section's average of 2.06 inches was lowest, with Lake Erie receiving 2.10 inches; the Southwest, 2.21 inches; the Southeast, 2.76 inches; and the Mountain, 2.88 inches. At most stations, amounts reported were below station normals. Drought conditions were alleviated slightly but soil moisture is still far from adequate. Snow was reported generally, except at stations in the extreme southeast. Amounts were light, although planes were reported forced down by a snowstorm at Ebensburg on the 10th. Sleet was observed at a number of stations, particularly in the storm of the 23d.

Thunderstorms were reported by nearly all stations during the first week of the month, when maximum 24-hour amounts of precipitation were most generally recorded. The only damage reported occurred at St. Marys, Elk County, where, as lightning struck a building, high winds tore the roof off and fire broke out. The roof was blown through the air, tearing down power lines and damaging other buildings. Electric power was cut off for several hours. Lightning also struck power lines at other points and the wind caused minor property damage to a number of buildings.

Auroras were observed at scattered stations toward the end of the month.

G. W. S.

TEMPERATURE.

The mean temperature for the State, as determined from the reports of 94 stations, was 44.1°, which is 2.7° above the 54-year normal for November. The highest monthly mean was 50.8° at Point Breeze, Philadelphia County, and the lowest was 38.3° at Kane, McKean County. Extremes ranged from a maximum of 83° at Shawmont, Philadelphia County, on the

20th, to a minimum of 9° at Coudersport, Potter County, on the 25th. The greatest daily range in temperature was 51° at Hawley, Wayne County, on the 18th.

PRECIPITATION.

The average precipitation for the State, as determined from the observations at 173 stations, was 2.48 inches, which is a deficiency of 0.37 inch, as compared with the 54-year normal for November. The greatest monthly amount was 4.77 inches at Shaffer's Path, Lycoming County, while the least, 0.87 inch, was recorded at Kylertown, Clearfield County. The greatest amount recorded in any 24 consecutive hours was 1.94 inches at Shaffer's Path on the 7th.

The average snowfall for the State was 0.2 inch, which is 2.5 inches below the 54-year normal. The greatest monthly snowfall was 2.5 inches at Coudersport, Potter County. The greatest fall for any 24 consecutive hours was 1.8 inches at Bradford, McKean County, on the 11th.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	42.2	79	4	3.37	2.1	11	9	7	14
1889.....	41.8	73	10	6.72	0.7	15	5	8	17
1890.....	41.8	78	10	1.49	0.5	8	9	10	11
1891.....	39.7	70	6	2.65	1.2	9	9	8	13
1892.....	39.0	80	10	4.34	8.6	12	6	8	16
1893.....	39.2	68	-4	2.93	2.4	8	8	11	11
1894.....	38.2	74	6	2.50	5.3	9	10	9	11
1895.....	42.9	78	6	2.48	0.5	10	10	8	11
1896.....	46.0	83	12	3.55	1.1	10	8	9	13
1897.....	41.6	76	2	5.28	2.6	14	6	8	16
1898.....	40.0	73	8	4.03	6.9	11	8	9	13
1899.....	41.5	72	7	2.66	1.2	7	10	8	12
1900.....	43.5	79	7	4.10	3.1	12	6	9	15
1901.....	36.0	76	9	2.56	3.1	8	7	8	15
1902.....	47.3	78	0	1.53	1.5	8	10	8	12
1903.....	36.9	78	2	2.18	1.4	7	11	8	11
1904.....	38.8	79	-4	1.14	3.5	6	10	9	11
1905.....	39.1	68	5	2.47	0.9	9	11	8	11
1906.....	41.5	80	9	1.48	4.0	8	12	6	12
1907.....	39.8	70	4	3.60	2.9	10	13	8	9
1908.....	41.2	75	-2	0.90	5.0	5	12	8	10
1909.....	46.4	80	15	1.40	1.9	7	12	8	10
1910.....	36.8	68	9	2.45	8.5	11	4	7	19
1911.....	37.8	77	7	2.84	3.7	10	7	7	16
1912.....	43.0	81	7	2.17	1.9	7	10	8	12
1913.....	43.9	79	10	3.05	4.5	11	10	5	15
1914.....	40.6	81	-2	1.76	1.5	6	12	9	9
1915.....	42.1	79	13	2.18	1.3	10	10	9	11
1916.....	41.3	79	4	2.27	1.6	9	13	6	11
1917.....	37.6	69	-5	0.63	1.4	5	14	7	9
1918.....	42.1	76	11	2.03	T.	7	12	6	12
1919.....	41.2	76	11	5.35	2.3	12	11	7	12
1920.....	40.3	75	5	3.54	4.5	11	7	7	16
1921.....	42.3	80	3	5.75	1.4	16	5	7	18
1922.....	42.9	73	12	1.21	1.8	9	10	7	13
1923.....	40.7	70	10	2.83	0.3	10	12	5	13
1924.....	40.7	78	-9	1.54	2.9	7	12	8	10
1925.....	39.5	71	4	3.56	2.2	10	11	7	12
1926.....	40.4	79	-1	4.49	0.9	10	9	7	14
1927.....	46.2	85	10	4.95	1.8	14	7	7	16
1928.....	43.4	81	4	2.32	2.3	12	7	8	15
1929.....	41.1	81	-10	3.39	1.9	12	8	8	14
1930.....	42.0	75	-15	1.48	2.3	9	10	7	13
1931.....	49.2	80	12	1.52	2.9	9	10	8	12
1932.....	39.4	75	-2	4.75	0.3	10	12	7	11
1933.....	38.1	83	-11	1.55	7.0	11	8	7	15
1934.....	44.9	80	6	3.61	1.8	12	9	7	14
1935.....	44.4	85	5	3.84	2.5	12	7	6	17
1936.....	38.6	78	2	2.40	3.4	8	9	8	13
1937.....	40.7	79	-8	2.56	2.0	11	11	7	12
1938.....	42.7	87	-13	3.10	10.9	10	13	7	10
1939.....	39.7	76	11	0.97	1.6	5	15	6	9
1940.....	41.3	78	9	4.04	5.8	13	6	6	18
1941.....	44.1	83	9	2.48	0.2	7	11	7	12
Period.....	41.4	87	-15	2.85	2.7	10	9	8	13

Climatological Data for November, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear	Pt. cloudy			Cloudy		
Atlantic Drainage.	Allentown.....	Lehigh.....	260	29	45.2	+2.8	71	20	24	25	37	2.71	-0.05	0.71	0	7	15	13	2	sw.	John A. Frick.	
	Altoona.....	Blair.....	1,615	54	44.0	+3.6	73	18	17	25	42	1.95	-0.47	0.74	T.	6	16	9	5	w.	Robert D. Goodfellow.	
	Ardmore.....	Montgomery.....	330	21	49.6	+5.3	76	20	28	25	35	2.99	-0.38	1.09	0	5	10	14	6		H. L. Balderston.	
	Arendtsville.....	Adams.....	710	19	46.0	+3.4	70	14	20	25	40	3.36	+0.98	1.05	T.	5	16	6	8	sw.	Penn State Expt. Station.	
	Bedford.....	Bedford.....	1,100	9	45.0	+1.9	72	18	15	25	46	2.73	0.99	0.99	T.	5	16	3	11	nw.	Charles C. Lee.	
	Bethlehem.....	Northampton.....	450	55	46.9	+2.4	71	5†	25	25	33	3.23	+0.36	1.09	0	6	13	5	12	w.	Lehigh University.	
	Bloomsburg (near).....	Columbia.....	560	15	41.5	.....	67	20	16	25	40	2.66	0.91	0	6	13	4	13	uw.	Benj. F. Connor.		
	Carlisle.....	Cumberland.....	473	72	44.8	+3.2	67	14	19	25	40	2.83	+0.51	0.92	T.	7	12	7	11	sw.	Prof. C. E. Miller.	
	Chambersburg.....	Franklin.....	600	44	46.0	+3.6	68	14†	21	25	37	3.63	+1.38	1.22	T.	7	10	9	11	sw.	William E. Spear	
	Clearfield.....	Clearfield.....	1,260	40	41.4	+3.5	69	18	12	25	45	2.69	-0.28	0.89	0.2	10	6	5	19	sw.	Otto J. W. Eppers.	
	Coatesville.....	Chester.....	431	54	46.6	+3.8	73	5	23	25	38	2.41	-0.53	1.16	0	5	10	5	15	sw.	Howard L. Fyle.	
	Colebrook.....	Lebanon.....	630	29	44.7	+3.1	70	20	17	25	34	2.25	-0.18	0.82	T.	7	15	3	12	nw.	Wm. A. Korer.	
	Emporium.....	Cameron.....	1,050	56	41.0†	+1.7	70†	18	14†	25	47†	2.31	-0.53	0.96	T.	7	3 ^h	3 ^b	16 ^b	w.	E. M. Poorman.	
	Ephrata.....	Lancaster.....	365	44	46.8	+3.5	73	20	22	25	36	2.30	+0.04	1.03	0	4	17	3	10	s.	Ira J. Keith.	
	Freeland.....	Luzerne.....	1,900	48	41.7	+4.4	73	20	19	19	23	30	3.76	+0.63	1.59	T.	7	3	4	23	w.	Andrew B. Evans.
	George School.....	Bucks.....	160	35	47.2	+3.4	73	20	21	25	42	3.13	+0.26	1.29	0	5	25	1	4	w.	Prof. N. W. Swayne.	
	Gatysburg.....	Adams.....	553	68	46.7	+4.3	70	14†	21	25	40	2.51	+0.11	1.03	T.	5	18	4	8	sw.	Dr. Henry Stewart.	
	Gordon.....	Schuylkill.....	900	37	43.0	+3.1	69	20	14	25	46	3.93	+0.75	1.30	T.	7	13	5	12	w.	Miss Sallie M. Johnson	
	Gouldsboro.....	Wayne.....	1,890	26	38.6	+3.2	69	19	13	25	44	3.59	+0.37	1.29	T.	5	13	14	3	nw.	L. H. Ellenberger.	
	Hanover.....	York.....	600	37	48.4	+3.4	72	14	23	25	35	1.56	-0.30	1.02	T.	4	16	6	8	sw.	Thomas Y. Cooper.	
	Harrisburg.....	Dauphin.....	337	72	46.5	+3.7	70	5	23	25	38	1.92	-0.34	0.79	T.	4	11	6	13	w.	U. S. Weather Bureau.	
	Hawley.....	Wayne.....	900	23	41.8	+2.6	73	19	13	25	51	2.40	-0.23	0.78	T.	6	14	7	9	w.	Mrs. Della M. Pennell	
	Holtwood.....	Lancaster.....	200	26	48.2	+3.1	73	20	28	25	36	1.92	-0.27	0.56	0	6	15	7	8	nw.	Penna. Water & Power Co.	
	Huntingdon.....	Huntingdon.....	700	54	43.6	+1.9	70	15	13	25	45	2.72	+0.49	1.03	T.	4	12	7	11	w.	Prof. Paul R. Yoder.	
	Kyertown.....	Clearfield.....	1,700	12	40.8	+2.4	68	19	15	25	34	0.87	-1.26	0.41	0.2	6	5	9	16	sw.	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	280	54	44.6	+1.5	74	20	11	25	43	2.30	-0.07	0.60	0	5	16	9	5	nw.	Supt. of Water Works		
Lawrenceville.....	Tioga.....	996	44	40.6	+1.5	70	18†	11	25	43	2.20	-0.07	0.60	T.	6	11	7	12	.....	C. P. Darling.		
Lebanon.....	Lebanon.....	469	57	44.8	+2.2	70	5†	22	25	37	3.19	+0.68	0.90	T.	7	21	6	3	sw.	Lebanon Valley Gas		
Lewistown.....	Mifflin.....	480	3	45.8	.....	69	14†	20	25	43	3.66	.....	1.50	0	4	11	2	17	.....	Penna. Edison Co.		
Lock Haven.....	Clipton.....	554	51	42.0	0.6	65	29	17	25†	40	3.05	+0.94	0.98	T.	8	6	8	16	nc.	Wm. R. Kelley.		
Marcus Hook.....	Delaware.....	50	15	50.6	+2.8	72	20	30	25	28	3.14	+0.36	1.01	0	4	24	3	3	sw.	Suu Oil Co.		
Montrose.....	Susquehanna.....	1,656	36	40.2	+4.9	66	19	18	17†	44	2.59	-0.06	0.98	0.5	8	11	3	16	sw.	Harry S. Fancher.		
Mt. Pocono.....	Monroe.....	1,740	35	41.4	+5.3	69	19	14	25	34	.....	.....	1.50*	T.	6*	6	16	8	w.	Cecil J. Hoskinson.		
Muncy Valley.....	Sullivan.....	864	29	.....	.....	.....	.....	.....	.....	.....	1.98	-0.79	.....	.....	.....	.....	.....	.....	.....	H. O. Hacker.		
Neshaminy Falls.....	Bucks.....	80	52	45.6	+2.9	73	20	19	25†	46	2.70	-0.33	1.10	0	4	23	2	5	w.	Philadelphia Sub. Water Co.		
New Bloomfield.....	Perry.....	679	3	43.0	.....	66	14†	16	23	41	3.12	.....	1.00	T.	6	13	11	6	w.	J. Earl Sreafner.		
Palmerston.....	Carbon.....	420	28	45.0	+3.0	69	20	19	25	40	2.44	-0.15	1.58	0	5	13	9	8	sw.	New Jersey Zinc Co.		
Philadelphia.....	Philadelphia.....	26	70	50.4	+4.7	73	20	32	25	25	2.36	-0.34	1.00	0	5	10	14	6	sw.	U. S. Weather Bureau		
Phila. Navy Yard.....	Philadelphia.....	20	25	50.2	+4.2	74	20	32	25	30	2.38	-0.45	1.00	0	4	14	8	8	sw.	Navy Aerological Office		
Phoenixville.....	Chester.....	100	31	46.4	+2.7	78	20	18	25	45	3.12	+0.13	0.70	0	6	17	10	3	w.	Philadelphia Sub. Water Co.		
Port Clinton.....	Schuylkill.....	430	3	44.2	+2.4	69	20	18	25	37	3.23	+0.42	1.75	0	6	18	7	5	n.	E. E. Rarick.		
Quakertown.....	Bucks.....	480	56	44.1	+2.7	70	20	16	25	39	3.34	+0.20	1.33	0	5	16	9	5	w.	John E. Benner.		
Reading.....	Berks.....	273	71	47.8	+4.0	73	20	26	25	32	1.74	-0.99	0.67	0	5	11	10	9	sw.	U. S. Weather Bureau.		
Scranton.....	Lackawanna.....	746	47	44.8	+4.3	69	19	23	25	30	1.92	-0.85	0.70	T.	6	8	9	13	sw.	U. S. Weather Bureau.		
Selinsgrove.....	Snyder.....	420	51	44.7	+2.9	67	1	20	25	40	2.64	+0.17	1.10	0	8	4	13	13	uw.	Dr. George E. Fisher		
Shawmont.....	Philadelphia.....	51	45	47.2	+2.1	83	20	23	25	39	3.64	+0.81	1.09	0	7	9	6	15	nw.	Joseph J. Bryza.		
Shippensburg.....	Cumberland.....	660	8	46.1	.....	69	14	21	25	38	3.35	.....	0.99	T.	5	10	10	10	sw.	State Teachers College		
State College.....	Centre.....	1,217	57	43.0	+3.0	68	18	20	25	34	1.95	-0.36	0.84	0.8	6	7	8	15	w.	Penna. State College.		
Stroudsburg.....	Monroe.....	400	27	43.2	+2.3	69	1	15	25	40	3.65	+0.46	1.03	0	7	18	5	7	se.	Metropolitan-Edison Co.		
Towanda.....	Bradford.....	754	47	43.2	+3.4	70	19	16	25	41	1.89	-0.25	0.74	T.	6	7	7	16	w.	Mrs. M. Ordella Parks		
Wellsboro.....	Tioga.....	1,319	71	40.0	+2.4	68	19	13	25	46	2.09	-0.13	1.15	T.	5	8	10	12	w.	M. S. Bliss.		
West Chester.....	Chester.....	140	92	47.0	+3.9	71	20	24	25	35	2.79	-0.29	1.18	0	5	24	1	5	w.	Harlan Saylor.		
Wilkes-Barre (Airport).....	Luzerne.....	544	3	43.8	.....	72	6	20	25	38	1.64	-0.58	0.85	T.	5	5	12	13	sw.	U. S. Airways Station.		
Williamsport.....	Lycoming.....	542	55	43.8	+2.6	62	1†	19	25	33	4.48	+2.11	1.92	T.	6	9	15	6	w.	John D. McEwen.		
Williamstown.....	Dauphin.....	1,275	26	45.6	+3.5	68	16	21	25	32	3.36	+0.53	1.01	0	7	16	5	9	sw.	Susquehanna Collieries Co.		
York.....	York.....	400	53	46.4	+3.2	73	5†	19	25	46	2.04	-0.19	0.89	0	6	18	9	3	s.	York Water Co.		
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	51	39.0	+1.4	70	18	10	25	50	2.01	-0.88	0.80	T.	8	3*	6*	20*		Frank S. Fawcett.	
	Butler.....	Butler.....	1,077	28	44.5	+6.1	72*	20	15*	25	41		0.33*		T.	7†					William C. Faust.	
	Claysville.....	Washington.....	1,150	36	41.6	+2.3	72	18	17	25	41	1.90	-0.60	0.55	T.	6	23	5	2	s.	George J. Melvin.	
	Corry.....	Erie.....	1,430	28	40.3	+1.7	70	18	19	25	42	1.79	-2.02	0.45	2.0	11	11	2	17			

Daily Precipitation for November, 1941

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh.....	.71	.71			.02		.53														.02		.37	.35								2.71	
Altoona.....	Juniata.....	.41	.11				.51	.14	T.		T.	T.									.04		.71							T.			1.95	
Ansoula ²	W. Br. Susq.....	.53	.19	.01				1.09	.01			.01	T.									.07		.24									2.15	
Ardmore ³	Lower Del.....	.74	.15				.98								.03								1.09										2.99	
Arendtsville ²	Lower Susq.....	.59	.86				.22	.64				T.										T.		1.05									3.36	
Bakers Summit.....	Juniata.....	.62					.62	.08													.10	.02		.76									2.20	
Bald Eagle L.....	Middle Susq.....	.28					.70														.09		.11	.86									2.04	
Bedford ²	Juniata.....	.61	.41			T.	.15	.57				T.	T.									T.		.99									2.73	
Bellefonte ²	W. Br. Susq.....	.80	*	.23		T.		.82	T.													.13		.67									2.65	
Berwindale ¹	W. Br. Susq.....	.23					.20														.07		.13	.46									1.09	
Bethlehem.....	Lehigh.....	1.09	.70				.19	.54														.01		.70									3.23	
Bloomsburg (ur.) ²	Susquehanna.....	.91	.58					.56														.11		.04	.40								2.66	
Blosserville.....	Lower Susq.....	1.20	.58			T.	.52	1.33			T.		T.								.05	.01		.92									4.61	
Buffalo Mills ²	Potomac.....	.67	.29				.18	.61																.88									2.63	
Carlisle.....	Lower Susq.....	.92	.38				.50	.08		T.	T.		T.								.02	.01		.92									2.83	
Carter Camp.....	W. Br. Susq.....	.48					.61	.09				.03									.20		.03	.37									1.81	
Centre Hall.....	Susquehanna.....	1.17	.03				.67	.15													.04	.07		.75									2.88	
Chambersburg ²	Potomac.....	.55	.57				.02	1.22				T.	T.									.01		1.21	.05								3.63	
Clearfield ²	W. Br. Susq.....	.89	.24	.02		.04		.64	.05		T.	T.	.01									.11		.42	.27								2.69	
Colesville.....	Lower Del.....	.90					.25	.07														.03		1.16									2.41	
Colebrook.....	Lower Susq.....	.71	.32				.34	.02			T.										.02	.02		.82									2.25	
Conshohocken.....	Schuylkill.....	.98	.14			T.	.44	.44																1.12									3.12	
Covington ²	N. Br. Susq.....	.35	.23			.10		1.00				T.										.15		.10						.10			2.03	
Doylestown.....	Lower Del.....	1.20	.14				.35	.47														T.		.90									3.06	
Driftwood ¹	W. Br. Susq.....	.16					.60														.07		.04	.33	.05								1.25	
Du Bois.....	W. Br. Susq.....	.58	.07			.10	.23	.11	T.		T.	.04	T.								.02	.15		.30									1.60	
East Waterford ¹ & 2.....	Juniata.....	.47	.39				.01	1.21				T.	T.									.08		.52	.05								2.76	
Emporium ²	W. Br. Susq.....	.96	.28			.05	T.	.45					T.									.15		.35	.07								2.31	
English Center ¹	W. Br. Susq.....	.76					1.78	.11													.10		.03	.89									3.17	
Ephrata.....	Lower Susq.....	1.03	.36				.12	T.													T.	T.		.79									2.30	
Fredericksburg ²	Schuylkill.....	.72	.92				.03	.51				T.	T.									.06		.45	.45								3.14	
Freeland ²	Lehigh.....	.91	1.59	T.		T.	.01	.83			T.	T.										.03		*	.39					T.			3.76	
Galeton.....	N. Br. Susq.....	.67	.01	T.	T.		.67	.33	T.		T.	.01	T.				T.				.06	T.		.24	.01					T.			2.00	
George School.....	Lower Del.....	1.29	.03				.50	.17														T.		1.14									3.13	
Gettysburg.....	Potomac.....	.76	.32				.39	.01			T.											T.		1.03									2.51	
Gordon.....	Lower Susq.....	1.30	1.16				.43	.33			T.	T.									.02	.14		.55									3.93	
Gouldsboro ²	Lehigh.....	.62	1.29					.39															.29		.40	T.	T.						3.59	
Graterford.....	Schuylkill.....	1.18	.23				.28	.24															.03		.89								2.85	
Hanover.....	Lower Susq.....	.56	.18			T.	.20				T.		T.									T.		1.02									1.96	
Harrisburg ³ & 1.....	Lower Susq.....	.76				T.	.35				T.	T.									.02	T.		.79									1.92	
Hawley ²	Upper Del.....	.78	.56					.68				T.	T.									.14		.21	.03	T.				T.			2.40	
Holliserville ²	Upper Del.....	.15	1.12					.75				T.	T.									.26		.21	T.								2.49	
Holtwood ²	Lower Susq.....	.56	.45				.01	.20															.25		.21	T.							1.92	
Huntingdon.....	Juniata.....	1.03					.70	.03			T.	T.										T.			.96								2.72	
Huntsdale ¹	Lower Susq.....	.60					1.21																	.84									2.65	
Hyndman ²	Potomac.....	.61	.52				.16	.62				.03										T.		.96	T.								2.90	
Kylertown ⁵ & 3.....	W. Br. Susq.....	.14	.03			T.	.41	T.	T.		T.	.02	T.									.14	T.	.13	T.			T.					0.87	
Lakeville ²	Upper Del.....	.94	.60				.60	T.				T.	.01	.01									.18		.23						T.		2.57	
Lancaster.....	Lower Susq.....	1.05	.19				.23	.03														T.	T.		.83								2.33	
Lansford ²	Lehigh.....	.92	.98					1.48															.12		*	.58								4.08
Laurelton ¹	Lower Susq.....	.90					*	.50	2.17													.03		.02	.57								3.69	
Lawrenceville.....	N. Br. Susq.....	.55	T.		.05		.60	.50			T.	T.										T.	.20	.30	T.					T.			2.20	
Lebanon ²	Lower Susq.....	.75	.90				.03	.53				T.											.08		.78	.12							3.19	
Lehighton ²	Lehigh.....	1.00	.95					.61															.10		.57	.06							3.29	
Lewistown.....	Middle Susq.....	1.08						1.50														.05	T.		1.03								3.66	
Lock Haven ²	W. Br. Susq.....	.92	.37	.01		.01		.98					T.										.09		.62	.05								

Day of month

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First-order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ⁵ Precipitation for period, 1:30 a. m. to 1:30 a. m. ⁶ Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. T. (trace) when precipitation is less than .01 inch. † Incomplete or missing. ‡ Daily amounts inconsistent. Post Office addresses are as follows: of Blossville, Newville; of Acemetonla, Barking; of Pennline, Linesville; of Unity Reservoir, Greensburg; of Ringtown, Shenandoah; of Lock No. 5, Schenley. ⁷ Airway Station. ⁸ Formerly Big Knob. ⁹ Formerly Girardville.

Daily Temperatures for November, 1941

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Altoona	67	58	53	56	62	56	54	40	41	36	35	34	58	62	67	53	53	73	71	64	60	47	44	40	42	49	58	54	65	58	53	7
Bedford	65	64	56	57	67	62	58	56	49	45	38	30	60	68	67	61	55	72	71	63	60	49	48	43	41	49	60	61	66	64	61	0
Bethlehem*	65	60	60	62	71	62	62	52	52	44	43	44	51	66	66	59	57	63	67	71	49	49	46	41	43	51	57	62	64	59	58	6.6
Bloomsburg (near)	49	45	45	37	50	51	41	39	35	34	34	35	37	36	37	40	33	33	38	38	39	39	35	31	25	30	31	40	31	34	34	37.2
Brookville†	65	55	56	56	62	63	65	41	41	45	46	40	10	61	65	61	48	60	64	67	60	47	45	42	42	4	55	56	61	58	54	54.2
Butler	48	42	39	24	39	41	36	28	26	24	34	33	27	26	25	26	21	23	28	30	30	25	30	29	16	19	20	20	22	11	28	8
Carlisle	69	47	51	55	63	60	43	38	40	37	35	34	54	55	62	55	59	70	68	62	39	47	46	36	40	47	55	59	58	46	51	0
Chambersburg	47	41	28	22	23	40	36	35	26	31	30	29	24	26	28	28	20	20	26	30	33	19	31	30	10	12	22	20	22	22	26.9	
Clearfield	61	70	.....	54	62	59	65	42	37	37	34	.....	54	57	62	70	64	69	72	69	59	49	41	43	48	.....	40	62	.....	62	56.2	
Coatesville†	51		30	26	44	52	37	35		31	31	30	28	34	29		22	30	35	45	34	27		28	15	34		25	22	40	32	8
Corry†	66	66	64	60	68	60	60	53	45	42	48	44	56	67	60	60	56	59	62	63	58	60	48	46	40	56	61	64	65	64	61	57.3
Coudersport	50	46	34	29	41	45	40	35	37	33	27	28	23	29	25	33	23	26	32	32	35	25	40	34	19	25	30	28	25	39	32.3	
Donora*	68	64	60	60	66	56	61	48	45	42	44	45	57	68	62	60	56	64	67	65	62	49	50	45	42	55	62	65	65	60	57.1	
Ebensburg	51	49	41	32	46	47	41	38	33	27	33	25	31	29	39	32	29	34	37	37	29	35	33	21	24	37	31	29	34	33	36.0	
Emporium†	68	57	54	55	68	66	55	49	38	36	33	37	56	62	64	58	66	72	70	64	48	48	47	39	43	49	59	61	61	62	54.5	
Ephrata	52	44	33	31	45	53	37	34	31	30	30	31	29	32	31	40	25	43	45	48	32	24	34	30	17	35	36	29	30	34	31	8
Franklin†	68	53	51	55	65	56	59	41	43	40	36	34	56	58	66	54	57	69	68	59	50	50	44	40	44	49	57	61	62	55	53	5
Gettysburg	46	41	31	25	41	42	37	34	25	27	29	28	27	34	25	37	20	24	30	35	31	19	31	26	12	19	30	21	22	39	29.6	
Gordon	67	60	60	59	73	64	64	51	50	44	45	43	53	70	64	59	52	62	68	71	64	50	49	45	42	52	58	59	62	63	57.4	
Harrisburg*	53	45	38	31	41	48	47	35	32	35	29	23	31	32	30	44	30	31	38	39	26	26	34	34	23	25	34	38	32	43	35.7	
Hawley	68	44	53	50	56	56	40	38	40	32	34	40	55	54	60	46	59	70	69	57	39	44	38	30	39	45	58	59	61	61	49.1	
Holtwood*	41	39	33	28	33	39	38	31	28	26	27	26	29	37	38	37	22	28	46	39	30	26	29	27	19	23	31	24	27	30	31	5
Indiana	65	55	48	50	59	56	56	38	40	36	35	31	53	52	62	55	54	67	68	58	49	45	42	36	39	45	51	61	63	66	55	59.9
Johnstown	49	45	34	32	48	48	39	37	35	32	31	33	34	35	35	43	31	40	44	36	33	39	26	29	28	29	32	37	35	32	42	37.1
Kane†	71	60	52	57	70	70	48	40	36	36	38	59	65	69	59	65	75	73	66	63	66	43	50	53	40	43	51	61	63	66	55	59.9
Lawrenceville	48	45	34	32	48	48	39	37	35	32	31	33	34	35	35	43	31	40	44	36	33	39	26	29	28	29	32	37	35	32	42	37.1
Lebanon†	64	50	48	54	64	56	56	40	40	36	32	31	54	60	65	50	57	69	70	60	50	46	44	41	42	46	55	58	61	50	51.6	
Lewistown	46	38	29	25	39	45	34	29	26	24	24	24	22	30	25	38	15	21	29	35	30	26	29	28	29	32	31	24	22	29	29.8	
Lock Haven†	68	47	51	53	60	60	46	41	39	.....	39	36	55	.....	64	.....	63	70	69	60	.....	52	44	34	40	50	.....	64	.....	62	52.5	
Marcus Hook*	43	41	36	28	29	39	37	36	26	27	27	27	30	32	28	.....	20	23	27	31	24	.....	31	32	14	15	21	25	.....	29	29.5	
Meadville†	66	66	59	62	72	63	64	51	50	46	44	44	55	67	66	60	55	64	67	73	66	51	49	48	45	55	62	64	65	63	58.7	
Montrose†	52	47	40	30	45	48	35	33	30	34	32	30	34	32	34	30	31	32	34	39	38	27	37	36	22	27	29	29	29	37	35.0	
Muncy Valley	69	50	52	57	54	57	48	43	41	36	39	40	56	51	57	50	57	71	71	65	41	47	42	39	42	45	48	51	63	58	51.2	
New Bloomfield	46	42	41	42	41	47	37	35	33	32	32	36	38	46	46	36	33	55	60	41	34	34	36	30	27	39	42	38	51	39	29.6	
New Castle	72	17	33	54	61	60	44	40	38	34	39	36	56	57	64	51	57	72	68	59	59	47	46	35	41	49	57	58	61	62	52.3	
Phoenixville	47	41	34	29	42	41	35	32	31	32	31	27	28	31	33	25	26	32	37	35	25	26	30	16	1	35	26	26	28	30	30.8	
Pittsburgh*	60	60	51	54	54	57	56	42	36	35	32	32	41	56	52	51	53	64	70	57	57	43	40	40	39	4	50	58	52	52	49.4	
Scranton	42	39	38	32	44	45	40	32	31	26	24	25	29	39	40	40	23	35	50	47	29	26	27	28	19	26	34	36	38	33	34.0	
Shenandoah	65	66	61	61	69	65	64	56	54	46	45	54	70	68	64	53	61	66	73	69	51	49	49	49	41	53	59	63	63	64	59.0	
Union Deposit	51	48	44	41	45	50	50	37	33	33	28	30	28	31	39	28	31	34	48	37	27	36	34	21	25	34	32	27	42	42	35.5	
Uniontown	66	67	60	60	69	63	65	51	47	43	47	45	56	70	64	60	58	64	66	70	66	48	50	50	42	53	62	62	67	64	58.3	
Wellsburg	53	43	40	31	47	50	43	40	38	32	26	36	23	30	29	38	30	29	32	38	39	25	36	38	21	27	27	31	29	43	35.1	
West Chester	65	65	58	57	64	60	64	47	41	41	40	39	51	62	65	56	53	65	68	69	57	47	47	45	42	48	67	59	62	57	55.4	
West York	48	45	40	24	40	38	36	29	29	22	32	32	34	28	26	28	26	31	38	36	21	33	34	24	24	21	23	26	30	30	30.7	
York	71	57	54	55	71	68	59	40	40	36	35	36	6	63	66	57	66	73	72	65	50	49	52	42	42	49	60	60	64	54	55.5	
York	53	42	34	33	45	52	35	34	31	30	29	31	29	40	29	39	28	42	50	34	29	35	28	21	31	33	32	35	44	35	35.7	
York	78	60	55	52	61	53	44	35	35	34	35	34	55	60	61	53	58	69	67	65	49	45	43	39	39	47	55	59	61	61	53.9	
York	48	39	34	35	42	42	35	31	29	29	29	28	29	39	50	40	30	46	28	46	30	34	32	30	19	30	35	28	37	43	34.9	
York	69	58	61	61	70	66	66	48	44	43	45	42	56	69	64	59	54	62	66	68	53	49	48	45	45	53	62	61	63	69	57.1	
York	53	44	37	32	48	51	42	41	37	30	32	34	26	31	33	40	36	32	36	38	31	37	29	23	27	31	35	31	44	35.9		
York	56	63	59	58	62	57	55	48	45	40	41	48	53	65	56	50	71	73	69	61	46	48	46	45	49	52	56	61	55	54	54.5	
York	43	44	42	21	39	37	45	29	2																							

Daily Temperatures for November, 1941—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum.....	64	68	58	57	66	68	64	52	47	44	41	43	52	64	60	60	56	57	61	69	62	47	48	48	40	51	57	60	62	61	.....	56.2
	Minimum.....	50	47	41	28	44	43	41	32	31	27	31	33	35	29	26	31	29	25	30	32	38	24	34	37	18	23	22	26	25	31	.....	32.2
Quakertown.....	Maximum.....	65	64	58	57	66	62	63	51	48	45	44	45	50	63	62	58	53	62	66	70	66	47	53	47	39	51	56	57	62	60	.....	56.3
	Minimum.....	48	46	41	26	41	43	46	31	28	26	26	31	30	26	26	33	28	23	29	36	38	24	31	35	16	20	30	25	33	42	.....	31.1
Reading*.....	Maximum.....	68	58	58	60	70	65	65	50	47	45	44	42	54	67	67	60	53	62	66	73	54	49	49	46	43	54	60	62	65	62	.....	57.3
	Minimum.....	52	50	46	35	50	48	44	41	38	35	34	35	37	35	36	41	34	34	38	43	38	33	39	32	26	32	39	37	33	38	.....	38.4
Retreat.....	Maximum.....	61	65	54	55	62	60	65	48	42	42	40	40	42	59	64	54	47	60	62	67	61	45	51	44	40	48	51	53	60	59	.....	53.4
	Minimum.....	47	44	43	29	42	42	41	35	29	27	34	32	35	29	29	24	24	27	32	32	30	30	29	31	28	25	27	25	26	38	.....	32.2
Ridgway†.....	Maximum.....	69	46	51	54	61	60	44	37	39	35	35	35	54	55	63	52	59	70	69	62	37	47	46	36	41	47	55	60	61	51	.....	51.0
	Minimum.....	46	41	33	22	23	42	36	34	28	30	29	28	30	33	27	27	18	20	26	33	33	29	29	29	10	10	22	22	22	22	.....	27.8
Scranton*.....	Maximum.....	67	56	56	57	63	61	63	47	43	41	38	42	48	59	67	53	49	63	69	69	51	46	46	42	41	49	53	52	59	52	.....	53.4
	Minimum.....	49	45	38	31	46	52	43	37	35	32	34	34	36	34	37	37	28	33	39	40	37	35	37	32	23	32	36	31	32	32	.....	36.2
Selinsgrove.....	Maximum.....	67	66	60	57	62	61	66	48	46	50	43	41	55	62	64	60	52	62	61	65	61	46	47	45	42	52	59	57	63	62	.....	56.1
	Minimum.....	49	47	40	27	42	46	39	38	32	29	34	34	35	29	24	34	26	29	31	35	36	31	33	35	20	28	29	27	24	37	.....	33.3
Somerset.....	Maximum.....	56	56	48	54	64	57	55	37	34	31	29	25	55	60	58	58	62	68	62	50	50	40	48	37	37	43	54	56	62	48	.....	49.9
	Minimum.....	51	40	31	22	34	47	34	30	27	27	24	26	27	34	22	41	19	26	29	35	29	22	32	26	15	29	28	27	26	35	.....	29.8
Springs.....	Maximum.....	62	51	48	55	64	54	54	35	35	29	31	30	54	60	62	52	61	68	68	60	47	48	48	34	42	44	55	57	60	51	.....	50.5
	Minimum.....	41	38	29	26	34	45	33	29	27	25	22	23	28	38	25	32	21	31	35	42	28	26	31	22	14	19	33	27	26	40	.....	29.7
State College*.....	Maximum.....	63	48	51	55	62	61	48	40	40	37	36	35	56	60	63	53	55	68	66	62	41	45	44	37	42	48	56	57	63	54	.....	51.5
	Minimum.....	48	43	37	32	45	48	38	32	30	31	30	31	30	40	33	35	26	34	41	41	32	27	34	24	20	31	34	38	31	42	.....	34.4
Stroudsburg†.....	Maximum.....	69	61	64	62	65	63	56	53	50	48	43	50	52	65	64	59	60	65	68	68	50	50	51	45	43	52	57	60	62	59	.....	57.1
	Minimum.....	38	42	42	28	30	42	44	31	28	26	26	31	26	27	26	28	23	25	28	31	35	26	31	37	15	17	24	22	24	24	.....	29.2
Towanda.....	Maximum.....	61	59	58	55	59	58	61	49	46	47	41	42	50	56	66	56	46	69	70	68	58	51	48	43	45	50	55	55	65	56	.....	54.6
	Minimum.....	47	44	36	23	45	37	38	35	25	29	32	34	30	30	29	35	20	29	32	33	35	34	32	31	16	30	28	23	24	31	.....	31.7
Uniontown.....	Maximum.....	73	58	56	55	71	65	58	41	37	38	35	36	57	65	65	61	68	73	72	65	52	49	52	40	46	51	60	61	63	57	.....	56.0
	Minimum.....	54	46	37	32	43	55	39	35	32	31	30	32	32	41	28	41	27	36	39	52	35	30	37	30	19	35	35	31	31	46	.....	36.4
Vandergrift.....	Maximum.....	72	58	55	55	70	68	49	43	40	41	38	37	58	61	67	57	64	72	72	65	46	50	51	40	44	52	59	56	64	53	.....	55.2
	Minimum.....	47	46	37	31	47	47	39	36	34	33	32	32	31	31	31	26	32	37	45	30	32	36	24	22	38	35	29	28	38	38	.....	34.6
Warren.....	Maximum.....	76	47	53	51	57	59	56	39	39	34	36	34	57	55	62	51	60	70	70	59	43	47	44	37	40	44	55	56	62	55	.....	51.6
	Minimum.....	46	39	34	28	37	48	36	34	31	30	30	33	35	33	35	23	30	39	41	31	30	34	25	16	30	30	25	25	36	32	.....	32.5
Waynesburg.....	Maximum.....	70	58	56	55	71	68	56	40	35	35	35	38	60	65	66	60	68	74	72	63	51	49	51	40	44	51	62	63	65	59	.....	56.1
	Minimum.....	53	45	33	30	42	53	38	35	29	31	30	30	31	27	40	25	36	38	50	35	25	36	30	16	36	36	28	30	43	34	.....	34.7
Wellsboro†.....	Maximum.....	60	46	49	54	59	59	44	40	44	44	38	37	53	52	64	53	56	65	68	63	42	48	35	42	47	54	56	61	48	.....	50.8	
	Minimum.....	45	42	40	23	24	36	39	35	27	23	27	30	32	34	27	28	19	19	30	34	36	31	31	32	13	14	33	21	22	32	.....	29.3
West Chester.....	Maximum.....	66	60	59	62	70	65	63	62	52	44	43	4	54	60	66	60	53	62	67	71	66	49	47	47	44	53	60	62	62	63	.....	57.9
	Minimum.....	53	45	36	33	46	50	43	35	34	31	29	32	29	33	37	42	31	32	32	49	38	27	37	33	24	28	33	36	35	40	.....	36.2
Wilkes-Barre†.....	Maximum.....	67	54	56	57	63	72	63	48	45	42	40	40	48	60	68	57	50	61	68	70	48	47	47	42	42	50	55	54	60	57	.....	54.4
	Minimum.....	50	45	34	28	45	50	40	31	31	32	34	33	31	30	36	26	30	34	33	36	34	35	25	20	29	30	26	26	28	39	.....	33.1
Williamsport.....	Maximum.....	62	61	60	52	61	60	62	48	41	46	42	39	50	62	60	59	58	56	55	53	54	49	45	45	40	51	55	55	55	50	.....	53.0
	Minimum.....	49	47	43	30	45	45	41	40	30	30	35	34	36	31	48	35	25	29	32	34	38	32	33	34	19	29	26	27	26	39	.....	34.7
Williamstown.....	Maximum.....	51	47	49	55	63	63	59	46	46	40	38	38	39	49	61	64	68	53	63	63	60	64	59	42	40	38	48	52	57	60	.....	53.4
	Minimum.....	45	33	40	37	48	50	43	37	34	30	32	31	33	43	44	44	29	38	49	59	35	27	32	35	21	30	37	43	42	.....	37.8	
York.....	Maximum.....	68	68	61	64	73	65	65	50	45	44	46	43	57	72	72	62	56	68	69	73	66	50	52	50	47	54	62	63	68	65	.....	59.9
	Minimum.....	54	46	31	29	45	44	39	34	35	31	24	35	20	28	26	32	26	28	32	46	38	23	37	37	19	29	29	29	26	32	.....	32.8

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date. ‡ a. 1:30 a. m. to 1:30 a. m. §, b, c, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Erie.....	30.01	30.49	28	29.35	7	10.6	25	sw.	7	82	71	75	16
Harrisburg.....	30.07	30.51	25	29.34	6	6.7	28	nw.	16	77	49	61	57
Philadelphia.....	30.07	30.53	28	29.39	7	12.0	33	s.	1	83	50	68	59
Pittsburgh.....	30.07	30.48	28	29.34	6	11.7	36	sw.	1	74	54	61	48
Reading.....	30.07	30.52	28	29.38	7	10.7	34	e.	1	70	45	55	69
Scranton.....	30.04	30.51	28	29.35	7	6.5	31	nw.	16	77	55	53	47

* For any five-minute period.
§ Local Noon.

† Corrected to true velocities.
‡ 4:00 P. M.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.....	Delaware.....	2.0	2.6	9	1.4	1	18

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER

HARRISBURG, PA.

VOL. XLVI.

DECEMBER, 1941.

No. 12.

GENERAL SUMMARY.

Temperatures, averaging well above normal in December, raised the accumulated average daily excess for the year to 1.1°. The Plateau Section's average of 33.3° was the lowest, that in the Mountain being 33.7°; Lake Erie, 37.0°; Southeast, 37.6°; and the Southwest, 38.5°. Most stations reported their absolute maxima in the early part of the month. Temperatures as high or higher were observed at a few stations during the warm weather which was general about the 24th. At some places in the northern and western parts of the State, maxima reported equalled or broke previously-established record highs for the month. Several periods of low temperature were reported but the majority of stations reported absolute minima on the 21st.

For the first time since August, precipitation averaged above normal. As a result, the accumulated deficiency for the year was reduced to 7.81 inches. Precipitation was reported frequently but was usually in light amounts. The area from the mountains eastward received the greatest amounts, the Lake Erie Section receiving an average of only 1.56 inches; the Southwest, 1.84 inches; and the Plateau, 2.69 inches; while the Southeast and Mountain had averages of 3.70 inches and 3.72 inches, respectively. Greatest amounts were reported about the 3d-5th, 13-14th, and 23d-24th. Scattered stations received maximum 24-hour amounts in the first period, most southeastern and southwestern stations reported theirs during the second, while at practically all mountain and northern points, greatest amounts fell during the last period. Snowfall averaged well below normal with heaviest falls occurring about the middle and at the end of the month. Hail was reported at a few western stations. Sleet was general about the 13th, except for a few stations in the extreme southwest. Freezing rain, accompanying the sleet, coated roads and damaged telephone and power lines. Many traffic accidents were attributed to the condition of the roads during and after this storm.

Thunderstorms were general in the mountains and eastward about the 24th of the month. One man was killed and three were injured by lightning during a storm near Scranton. Damage to buildings was reported from Mifflinburg and York. High winds, accompanying the storms, unroofed and demolished buildings at a number of eastern points. At least one injury was caused by blown debris.

Dense fog blanketed the State in the early part of December. Air traffic was halted and ground traffic slowed. A number of accidents, one of them fatal, were blamed on the fog. At a number of stations, dense fog was reported on other dates. On the 26th, a pilot was killed when his plane crashed near Blain, Perry County, due to fog and poor visibility.

G. W. S.

TEMPERATURE.

The mean temperature for the State, as determined from the reports of 94 stations, was 35.6°, which is 4.1° above the 54-year normal for December. The highest monthly mean was 41.0° at Marcus Hook, Delaware County, and the lowest was

27.2° at Mt. Pocono, Monroe County. Extremes ranged from a maximum of 76° at Uniontown, Fayette County, on the 4th, to a minimum of -8° at Coudersport, Potter County, on the 21st. The greatest daily range in temperature was 46° at Corry, Erie County, on the 22d.

PRECIPITATION.

The average precipitation from rain, sleet, and melted snow, for the State, as determined from the observations at 171 stations, was 3.10 inches, which is an excess of 0.02 inch, as compared with the 54-year normal for December. The greatest monthly amount was 5.62 inches at Gordon, Schuylkill County, and the least was 1.05 inches at New Castle, Lawrence County. The greatest amount recorded in any 24 consecutive hours was 3.03 inches at Philadelphia and Point Breeze, both in Philadelphia County, on the 13th.

The average snowfall for the State was 2.0 inches, which is 5.7 inches below the 54-year normal. The greatest monthly snowfall was 13.0 inches at Warren, Warren County. The greatest fall for any 24 consecutive hours was 5.5 inches at Corry, Erie County, on the 9th.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation		No of days.		
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy
1885.....	32.5	62	-10	3.14	5.2	9	8	8
1889.....	39.6	73	0	2.77	0.9	12	11	9
1890.....	27.2	59	-11	3.97	29.4	12	7	8
1891.....	38.4	68	-5	4.09	0.3	10	12	8
1892.....	27.8	70	-13	1.69	5.7	9	7	9
1893.....	32.2	70	-7	3.06	9.4	12	6	11
1894.....	32.4	66	-28	3.95	11.9	10	10	9
1895.....	34.2	70	-10	3.22	2.3	7	10	9
1896.....	30.6	67	-13	1.20	5.4	6	10	9
1897.....	33.0	73	-6	3.95	9.6	12	6	8
1898.....	29.8	68	-11	2.98	8.7	10	10	8
1899.....	31.5	73	-11	3.04	4.4	10	10	11
1900.....	31.2	65	-2	2.08	3.9	7	8	9
1901.....	29.1	77	-18	5.91	7.6	11	7	9
1902.....	28.4	68	-12	5.54	17.3	14	7	7
1903.....	25.4	60	-14	2.66	13.2	9	8	9
1904.....	25.8	71	-19	2.48	14.4	11	7	7
1905.....	33.6	65	-5	3.57	2.2	8	10	7
1906.....	30.8	67	-14	3.97	7.6	14	5	5
1907.....	33.2	68	-8	4.30	9.8	12	7	8
1908.....	32.0	74	-2	2.86	9.4	10	9	8
1909.....	27.0	71	-10	3.39	12.7	8	9	8
1910.....	24.4	68	-14	2.65	16.0	12	8	6
1911.....	36.3	70	5	3.27	5.4	13	7	5
1912.....	34.4	74	-8	3.27	8.1	9	9	7
1913.....	34.2	66	-7	2.63	7.2	8	9	7
1914.....	27.3	69	-28	4.63	13.0	14	8	5
1915.....	29.4	70	-7	4.06	13.7	12	6	8
1916.....	29.7	73	-12	3.07	10.5	12	11	9
1917.....	21.5	52	-28	1.78	15.0	8	10	8
1918.....	36.6	72	-1	3.38	3.0	11	9	7
1919.....	25.3	66	-23	2.61	9.4	11	9	8
1920.....	33.4	68	-7	3.28	3.8	10	7	9
1921.....	31.6	66	-11	2.59	7.2	10	8	8
1922.....	31.5	69	-9	2.75	7.1	10	10	8
1923.....	39.6	71	1	4.99	2.4	14	9	7
1924.....	39.8	69	-23	2.13	3.6	11	7	7
1925.....	30.7	62	-15	1.72	3.8	10	8	7
1926.....	27.3	62	-20	2.58	10.0	12	8	7
1927.....	32.7	73	-6	4.41	4.5	13	9	6
1928.....	24.4	68	-2	1.16	0.9	6	13	7
1929.....	32.2	70	-9	2.77	10.0	12	7	6
1930.....	30.0	59	-15	2.29	6.8	10	6	7
1931.....	38.1	70	-1	2.85	1.1	11	10	6
1932.....	33.3	72	-14	2.19	7.4	12	10	6
1933.....	31.7	74	-22	2.88	8.7	12	9	7
1934.....	30.7	73	-10	2.55	3.0	10	9	8
1935.....	26.3	60	-19	2.62	13.5	16	5	7
1936.....	34.5	74	-11	4.19	6.3	11	11	6
1937.....	29.7	66	-14	2.45	5.7	10	10	5
1938.....	32.2	64	-5	2.56	4.7	11	8	7
1939.....	33.9	68	-8	2.24	6.0	11	7	6
1940.....	35.9	68	-9	3.08	3.1	12	7	7
1941.....	35.6	76	-8	3.10	2.0	10	6	8
Period.....	31.5	77	-28	3.08	7.7	11	8	8

Climatological Data for December, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers			
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation 01 in or more	Clear	Pt. cloudy			Cloudy		
Atlantic Drainage.	Allentown.....	Lehigh.....	260	29	36.0	+3.7	60	23	15	21	41	3.34	-0.17	1.64	1.0	9	2	11	18	ne.	John A. Frick.	
	Altoona.....	Blair.....	1,615	54	34.3 ^k	+4.2	59 ^k	5	12 ^k	11	23 ^k	4.26	+1.52	0.63 ^k	3.7	18					Robert D. Goodfellow.	
	Ardmore.....	Montgomery.....	330	21	39.1	+4.7	64	5	14	21	32	4.68	+0.94	2.77	1.4	6	6	16	9		H. L. Balderston.	
	Arendtsville.....	Adams.....	710	19	36.4	+3.1	63	5	15	21	30	4.22	+1.00	1.49	0.3	7	12	10	9	sw.	Penn State Expt. Station.	
	Bedford.....	Bedford.....	1,100	9	36.5	+3.0	61	5	12	30	32	3.26		1.61	4.0	5	10	1	20	nw.	Charles C. Lee.	
	Bethlehem.....	Northampton.....	450	55	35.7	+2.0	58	3	14	21	23	3.17	-0.11	1.58	0.5	8	7	5	19	nw.	Lehigh University.	
	Bloomsburg (near).....	Columbia.....	560	15	33.0		65	5	10	12	26	3.02		1.62	0.4	7	7	10	14	nw.	Benj. F. Conner.	
	Carlisle.....	Cumberland.....	473	72	36.6	+4.8	60	5	12	21	32	4.00	+0.90	1.57	T.	7	12	5	14	nw.	Prof. C. E. Miller.	
	Chambersburg.....	Franklin.....	600	44	37.0	+3.7	60	3	19	21	25	4.27	+1.31	1.61	0.8	7	9	9	13	ne.	William B. Spear.	
	Clearfield.....	Clearfield.....	1,260	40	33.8	+3.8	66	4	6	21	32	3.19	+0.11	1.30	3.0	15	3	5	23	sw.	Otto J. W. Eppers.	
	Coatesville.....	Chester.....	431	54	37.2	+4.3	63	5	15	21	24	3.74	-0.25	1.92	T.	9	5	5	21	ne.	Howard L. Pyle.	
	Colebrook.....	Lebanon.....	630	29	35.5	+3.8	62	5	12	21	29	3.58	+0.11	1.63	0.1	8	9	4	18	w.	Wm. A. Rorer.	
	Emporium.....	Cameron.....	1,050	56	31.6 ^b	+2.2	60 ^a	4	4 ^b	21	38 ^b	3.36	+0.14	1.49	2.0	7	4 ^a	2 ^a	24 ^a	w.	E. M. Poorman.	
	Ephrata.....	Lancaster.....	365	44	38.1	+5.3	67	5	14	21	30	3.08	-0.04	1.54	T.	8	7	10	14	nw.	Ira J. Keath.	
	Freeland.....	Luzerne.....	1,900	48	29.8	+2.4	53	24	3	7	29	4.46	+0.54	1.48	1.6	11	5	0	26	n.	Andrew B. Eyausha.	
	George School.....	Bucks.....	160	35	38.3	+4.7	63	5	13	21	26	4.16	+0.59	1.84	T.	8	15	8	nw.	Prof. N. W. Swayne.		
	Gettysburg.....	Adams.....	553	68	38.0	+5.3	63	5	19	22	28	3.62	+0.46	1.69	T.	9	13	4	14	w.	Dr. Henry Stewart.	
	Gordon.....	Schuylkill.....	900	37	33.4	+3.8	61	4	4 [†]	8	30	3.0	5.62	+1.90	2.64	1.5	8	10	8	13	w.	Miss Sallie M. Johnson.
	Gouldsboro.....	Wayne.....	1,890	26	29.4	+4.4	64	4	3	21	43	3.34	+0.02	1.26	3.5	11	10	6	15	nw.	L. H. Eilenberger.	
	Hanover.....	York.....	600	37	38.8	+4.0	63	5	17	21	25	3.38	+0.33	1.67	T.	8	11	6	15	s.	Thomas Y. Cooper.	
	Harrisburg.....	Dauphin.....	337	72	37.4	+4.7	61	3	18	22	27	3.49	+0.47	1.65	0.4	9	4	10	17	uw.	U. S. Weather Bureau.	
	Hawley.....	Wayne.....	900	23	31.9	+3.2	65	4	4	21	33	3.20	+0.13	1.68	2.8	11	7	10	14	w.	Mrs. Della M. Pennell.	
	Holtwood.....	Lancaster.....	200	26	38.2	+3.4	58	5	20	21	27	3.01	+0.33	1.52	T.	8	9	12	10	nw.	Penna. Water & Power Co.	
	Huntingdon.....	Huntingdon.....	700	54	35.4	+3.6	63	5	10	21	31	3.62	+0.70	1.30	3.0	7	6	8	17	w.	Prof. Paul R. Yoder.	
Kyertown.....	Clearfield.....	1,700	12	32.0	+2.5	61	4	8	21	28	2.76	+0.34	1.63	1.0	12	1	5	25	w.	U. S. Weather Bureau.		
Lancaster.....	Lancaster.....	280	44	37.2	+4.0	63	4	5	13	34	3.13	-0.06	1.46	T.	9	8	8	15	nw.	Supt. of Water Works		
Lawrenceville.....	Tioga.....	996	44	30.8	+2.0	66	4	4	21	39	2.10	+0.12	1.30	2.5	7	9	5	17	.....	C. F. Darling.		
Lebanon.....	Lebanon.....	469	57	36.0	+3.8	63	5	15	21	38	3.53	+0.19	1.56	0.3	8	20	4	7	w.	Lebanon Valley Gas		
Lewistown.....	Mifflin.....	480	3	37.3	.....	60	5	17	21	28	3.35	.....	1.23	2.0	7	6	4	21	.....	Penna. Edison Co.		
Lock Haven.....	Clinton.....	554	51	31.0	+2.6	60	5	10	21	45	3.54	+0.69	1.66	1.0	7	7	8	16	e.	Wm. R. Kelley.		
Marcus Hook.....	Delaware.....	50	15	41.0	+1.8	64	5	20	21	27	4.09	+1.80	2.35	T.	5	21	2	8	sw.	Sun Oil Co.		
Moutrose.....	Susquehanna.....	1,656	36	28.6	+2.0	60	4	4	21	43	3.21	+0.64	1.30	2.2	16	7 ^a	10 ^a	13 ^a	nw.	Harry S. Fancher.		
Mt. Pocono.....	Monroe.....	1,740	35	27.2	+1.3	66	4	4	21	34	.....	.....	1.91	.....	9	3 ^a	5 ^a	22 ^a	w.	Cecil J. Hoskison.		
Muncy Valley.....	Sullivan.....	864	29	33.4	+5.2	58	5	6	4	21	37	4.54	+1.51	1.91		9	6	13	12	nw.	H. O. Hacker.	
Neshaminy Falls.....	Bucks.....	80	52	37.0	+4.6	63	5	14	21	34	4.12	+0.60	2.42	0.2	8	18	1	12	w.	Philadelphia Sub. Water Co.		
New Bloomfield.....	Perry.....	679	3	34.0	.....	60	1 [†]	9	21	29	4.81	.....	1.63	1.0	8	10	15	6	w.	J. Earl Snaefter.		
Palmerton.....	Carbon.....	420	23	35.3	+3.4	61	3	12	21	30	3.94	+1.03	1.40	1.1	9	5	8	18	sw.	New Jersey Zinc Co.		
Philadelphia.....	Philadelphia.....	26	70	39.8	+3.5	63	5	18	21	24	3.67	+0.24	3.03	0.5	5	6	15	10	n.	U. S. Weather Bureau		
Phila. Navy Yard.....	Philadelphia.....	20	25	40.0	+4.1	64	5	20	21	26	3.81	+0.37	2.64	0.5	6	9	4	18	sw.	Navy Aerological Office		
Phoenixville.....	Chester.....	109	31	38.7	+4.9	67	1	12	22	34	4.00	+0.31	1.72	0.4	9	12	10	9	w.	Philadelphia Sub. Water Co.		
Port Clinton.....	Schuylkill.....	430	3	36.0	+3.9	61	6	12	22	26	3.65	+0.04	1.18	1.0	9	16	2	13	n.	E. E. Barick.		
Quakertown.....	Bucks.....	480	56	35.4	+4.0	60	5	12	21	25	3.29	-0.67	1.46	0.5	10	10	9	12	nw.	John E. Benner.		
Reading.....	Berks.....	273	71	37.8	+3.6	62	5	16	21	26	3.26	-0.30	2.09	0.7	10	5	12	14	nw.	U. S. Weather Bureau.		
Scranton.....	Lackawanna.....	746	47	34.4	+3.7	63	4	10	21	28	1.47	-1.55	0.63	0.2	8	3	13	15	sw.	U. S. Weather Bureau		
Selinsgrove.....	Snyder.....	420	51	35.2	+3.4	61	5	12	21	24	4.24	+1.23	2.15	2.0	11	3	12	16	nw.	Dr. George E. Fisher.		
Shawmont.....	Philadelphia.....	51	45	38.7	+3.3	62	5	16	21	26	4.43	+0.90	1.90	0.8	7	4	6	21	nw.	Joseph J. Bryza.		
Shippensburg.....	Cumberland.....	660	8	37.0	.....	60	3 [†]	15	21	26	3.48	.....	1.08	T.	8	7	7	17	nw.	State Teachers College		
State College.....	Centre.....	1,217	57	34.2	+4.2	59	4 [†]	13	21	27	3.67	+1.00	1.52	3.2	10	2	12	17	nw.	Penna. State College.		
Stroudsburg.....	Monroe.....	400	27	33.4	+2.8	63	3	8	21	45	4.72	+1.36	1.79	1.0	9	5	14	12	n.	Metropolitan-Edison Co.		
Towanda.....	Bradford.....	754	47	33.2	+4.1	68	4	8	22	32	2.48	+0.29	1.01	2.8	10	5	10	16	w.	Mrs. M. Ordelia Parks		
Wellsboro.....	Tioga.....	1,319	71	30.7	+2.7	63	4	3	21	37	2.68	+0.54	1.39	1.6	10	3	6	22	w.	M. S. Bliss.		
West Chester.....	Chester.....	440	92	37.8	+4.4	62	5	15	21	26	3.78	-0.02	1.91	0.5	6	11	10	nw.	Harlan Saylor.			
Wilkes-Barre (Airport).....	Luzerne.....	544	3	34.4	.....	62	5	12	21	29	2.88	-0.35	1.15	0.2	9	4	10	17	sw.	U. S. Airways Station.		
Williamsport.....	Lycoming.....	542	55	35.2	+4.3	62	5	9	30	24	4.02	+1.13	2.04	3.2	8	6	15	10	w.	John D. McEwen.		
Williamstown.....	Dauphin.....	1,275	26	35.4	+3.9	60	1	11	21	30	5.54	+2.67	2.79	1.0	9	8	8	15	se.	Susquehanna Collieries Co.		
York.....	York.....	400	53	38.0	+4.6	66	5	16	21	35	3.07	+0.14	1.49	T.	10	9	12	10	w.	York Water Co.		
Ohio Drainage.	Brookville.....	Jefferson.....	1,240	51	33.2 ^a	+5.0	68 ^a	4	5 ^a	21	42 ^a	2.22	-0.80	0.53	2.6	14	5	0	26		Frank S. Fawcett.	
	Butler.....	Butler.....	1,077	28	38.4 ^d	+6.6	70 ^c	4	11 ^d	11	37 ^f	1.80	-1.21		1.5	11	2	9	20		William C. Faust.	
	Claysville.....	Washington.....	1,150	36	38.6	+5.6	69	4	11	11	34	1.51	-1.45	0.68	T.</							

Daily Precipitation for December, 1941

Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage																																		
Allentown ²	Lehigh	T.	.15	T.	.22	.40							.21	1.64	*	*	*	*	*		.01	T.	*	*	*	.52	.16		.03				3.34	
Altoona	Juniata		.41		.33		T.	.04					.63	.19	.52						.01	T.	*	*	*	.79	.01		.01		.03		4.26	
Ansonia ²	W. Br. Susq.			.09		.10	.01			.03		.04		.09	.52										*	.63		.01	T.				2.70	
Ardmore ³	Lower Del.		.02		1.27								T.	2.77	.19							.03			T.	1.49		.01					4.68	
Arendtsville ²	Lower Susq.			.17		.87								.35	1.30							.03			T.	1.49		.01					4.22	
Bakers Summit	Juniata		.19		.76			.01						.85	.04							.04				.16	1.40		.08				3.53	
Bald Eagle	Middle Susq.		.34		.19	.00								.86	.70					.20					.53	1.62						3.83		
Bedford ²	Juniata	T.	.11		.61				T.	T.				.20	.70							.06			T.	1.61				T.			3.26	
Bellefonte	W. Br. Susq.		.05	.21		.41	.01		T.	T.				.11	.59											T.	1.75	.01		.02			3.22	
Berwindale	W. Br. Susq.		.17		.12	.02			.04					.58	.01							.01				.17	.83						1.95	
Bethlehem	Lehigh	T.	.15		.45				T.					1.58	.03						.01	T.				.46	.41		.08				3.17	
Bloomsburg (nr.) ²	Susquehanna		.03	.18	.02	.02								.01	1.62						T.					1.11			T.				3.02	
Blossville	Lower Susq.	T.	.18	.01	T.	.65	T.			T.		T.		1.62	.10	T.				T.	.07				.35	.95		.08	T.	T.	T.		4.01	
Buffalo Mills ²	Potomac					.42								.47	.53											1.59			T.	T.			3.01	
Carlisle	Lower Susq.	T.	.18	T.	.58									1.57	.17						.19					.19	1.12		T.	T.			4.00	
Carter Camp	W. Br. Susq.		.21	*	.01	.29		.02	.08					.60	.03											.70	1.69	.01					3.64	
Centre Hall	Susquehanna	*		*	*	1.01								* 1.10							.04					.18	1.71		.05				4.09	
Chambersburg ²	Potomac	T.	.22		.95									.33	1.12						.02	T.				1.61		.02					4.27	
Cleatfield ²	W. Br. Susq.		.16	.36	.19		T.			.14	.02			.06	.42	.03	.01				.03	T.				.13	.40	.41	T.	.02	.01	.03	T.	3.19
Coatesville	Lower Del.	.01	.10		.97									1.92	.05						.01					.15	.48		.05				3.74	
Colebrook	Lower Susq.	.02	.16	.01	.80									1.63	T.						T.	T.				.35	.60	T.		.01	T.		3.58	
Coushock	Schuylkill		.03			.88								1.58	.69						T.					*	.81		T.	T.			4.29	
Covington ²	N. Br. Susq.		.05	.10		.07	.04	T.			T.		T.		.80											1.20	.15		.20		.20		2.81	
Doylestown	Lower Del.		.06	.03		.53	.01							1.23	.70						T.					.07	.66		.03				3.32	
Driftwood	W. Br. Susq.		.19		.08	.09			.01	.07				.70		T.										.45	1.55			.02			3.16	
Du Bois	W. Br. Susq.	T.	.14	.27	.25	T.	T.	.02	.12			T.		.50	.02	T.										.11	1.08	.06	.02	T.	.04	.03	T.	2.66
East Waterford ^{1,2}	Juniata		T.	.25		.84	T.							1.18	1.08						.05					T.	1.59	.12	T.	.02			T.	3.85
Emporium ²	W. Br. Susq.			.63		.22	.07	*	*	*	.10	*	*	T.	.43											T.	1.49	.42						3.36
English Center	W. Br. Susq.		.13	*	*	*	*	*	*	*	*	*	*	*	1.46											.63	1.75							3.97
Ephrata	Lower Susq.	T.	.15		.68									1.51	.25						.03					.13	.28		.02				3.08	
Fredericksburg ²	Schuylkill		.02	.18		1.02	.22							*	2.22						T.					.60	.18	T.	T.	T.	T.		4.44	
Freeland ²	Lehigh	T.	.38	.02	.40		T.			T.		T.		.13	1.05	.08	.15				.65					.48	.68		.04	T.	T.	T.	4.46	
Galeton	N. Br. Susq.	T.	.10		.08	T.		T.		T.		T.	.02	.51	.05	T.					.05					.46	1.58	.03	.01	T.	.02		2.96	
George School	Lower Del.		.04	T.	T.	.59								1.84	1.16	T.	T.									.05	.46		.01	.01			4.16	
Gettysburg	Potomac	T.	.20	.01	.01	.85								1.69	.07						T.	T.				.15	.61		.03				3.62	
Gordon	Lower Susq.		.35		.37									1.26	.40						.24					.27	2.64		.09				5.62	
Gouldsboro ²	Lehigh		.02	.19	.02	.03			T.		.06	T.		.07	1.26											*	1.08	.48		.03		.04		3.34
Graterford	Schuylkill		.02	.16		.78								1.48							.02					*	.96		.03	T.			3.45	
Hanover	Lower Susq.	T.	.19	T.	.60								T.	1.67	.13						T.	.12				.14	.51		.02				3.38	
Harrisburg ^{3,4}	Lower Susq.	.01	.17	T.	.08	.57		T.		T.		T.	T.	1.65	T.	T.				.06	T.					.29	.64		.02	T.	T.		T.	3.49
Hawley ²	Upper Del.	T.	.05	.15	.03	.08	T.	T.		T.		T.		.08	1.68						.01	T.				.61	.43		.03	T.		.05	T.	3.20
Hollisterville ²	Upper Del.	T.	.09	.14	.05				.07	.02				.04	1.39						.09					.45	.55		.02	T.	.06	T.		2.97
Holtwood ²	Lower Susq.	T.	.09	.01	.76	.07								.25	1.52						.03	T.					.28			T.		T.		3.01
Huntingdon	Juniata		.38			.50			.02					.98												.36	1.39		.08		T.			3.62
Huntsdale	Lower Susq.	.02	.20		.17	.50							.01	1.71	.02						.03					.34	1.11		.04				4.15	
Hydman ²	Potomac			.12		.31	T.			.04				.40	.10						T.					T.	1.25		.08					2.30
Kylertown ^{5,6,7}	W. Br. Susq.	T.	.23	T.	T.	.13	T.	T.	.01	.02	T.	T.	T.	.50	.02	.01	T.	T.			T.	.04				.26	1.50	.02	T.	T.	T.	.02	T.	2.76
Lakeville ²	Upper Del.		.08	.13		.05	.03	.01						.06	1.25						T.					.48	.50		.03	.01	.03	T.		2.67
Lancaster	Lower Susq.		.15	.02		.65								1.46	.35						.03					.06	.38		.03	T.				3.13
Lansford ²	Lehigh		.02	.27		.84	.05	T.			T.			.18	1.32						.20					.22	.38		.06		T.			5.52
Laurelton	Lower Susq.		.02	.30	.02	.52							.01	1.33							.05					.80	1.80		.07				4.92	
Lawrenceville	N. Br. Susq.		.10			.05			.05	T.				*	1.50						T.					.10	1.30		T.	T.	T.			2.10
Lebanon ²	Lower Susq.	T.	.18		.56	.02								.11	1.56						.01					.10	1.01		T.	.08	T.			3.53
Lehighton ²	Lehigh		.01	.20	.01	.39																												

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Stations	Drainage Basin	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Atlantic Drainage (continued)																																		
Scranton ¹	N. Br. Susq.	T.	.21			.03	T.	T.	T.	.01	T.	T.	T.	.63	T.	T.				T.	T.			.09	.48		T.	.01	.01	T.	T.	T.	1.47	
Sellusgrove	Lower Susq.	.02	*	.32		.36				T.	T.			.75	.19						.11			.28	2.15		T.	.06	T.		T.	T.	4.24	
Sellersville	Lower Del.		.17		.90	*								1.40	*			.17	.46		.04											T.	3.14	
Shade Gap	Middle Susq.	.18		*		*	.75	.03				*	*	*	1.33						.04			.34	1.17		.63		T.	T.		T.	3.87	
Shawmont	Schuylkill	.02	T.		.50									1.90	1.06						.01			.08	.56		T.	T.				T.	4.43	
Shippensburg	Lower Susq.	T.	.25		.03	.56								1.03	.25						.05			.20	1.08		.08					T.	3.48	
South Mountain ²	Potomac	T.	.19		.70					T.	T.	T.	T.	.39	1.09						.08			1.26			T.	.04	T.	T.		T.	3.72	
State College ¹	W. Br. Susq.	.01	.30		.20	.29	T.		.02	T.	T.	T.	T.	.90	T.	T.				.68	T.			.31	1.52	T.	.04	T.	T.	T.	T.	T.	3.67	
Stroudsburg ²	Upper Del.	T.	.21	T.	.11	.46			T.	T.	T.	T.	T.	.08	1.75			T.			.20			1.79	.07		.05	T.	T.		T.	T.	4.72	
Suabury ²	Lower Susq.		.06	.28		.47	T.		T.	T.	T.	T.	T.	.07	1.65					.09	T.			2.09	.38	T.	.10	T.	T.		T.	T.	5.19	
Susquehanna ²	N. Br. Susq.	.01	.10	.08		T.	T.	.01	T.	T.	T.	T.	T.	T.	1.05	T.	T.				.01			.59	.53		.17		T.	.07		T.	2.02	
Towanda	N. Br. Susq.	T.	.12	.01		.03		T.	T.	.01	T.	T.	T.	.76	.44	T.	T.				T.	T.		.04	1.01	T.	.01	T.	.05	T.		T.	2.48	
Wellsboro ²	N. Br. Susq.	.02	.01	.08	T.	.06	.02	T.		T.		T.		.08	.72						T.			1.39	.28				.02				2.68	
Wernersville ² [nr]	Schuylkill		.17	.01	.51	.08								* 2.09						.09				.25	.21		T.						3.41	
West Chester	Lower Del.	T.	.04	T.	1.12									1.91						T.			.12	.58		.01	T.						3.78	
Westgrove ²	Lower Del.			.03		.75	.44							.18	1.58									.52	.04								3.54	
Wilkes-Barre ^{5**}	N. Br. Susq.	.23		T.	.04	T.	T.		T.	T.	T.	T.	T.	1.15	.03	T.				.01	.01			.14	.76		T.	T.	.01	T.	T.	T.	2.58	
Williamsport ²	W. Br. Susq.	.04	.20		.27				T.	T.	T.	T.	T.	.04	1.01								.04	.37			T.	.05	T.		T.	T.	4.02	
Williamstown	Lower Susq.		.20	.14		.60	T.		T.		T.			1.04	.35						.14			.22	2.79		.06						5.54	
York	Lower Susq.	.02	.15	.02		.42								1.49	.15						.25			.11	.44		.02						8.07	
York Haven ²	Lower Susq.		.22		.58									.37	1.31						.08			.54			.04						3.14	
Zionsville (near)	Schuylkill		.12		1.07	.08								1.50	.17					T.	T.			.13	.87		.03						3.97	
Trenton, N. J. ¹	Lower Del.	.01	.04			.56							T.	2.30	.01					T.	T.			.04	.12		T.	T.					3.08	
Ohio Drainage																																		
Acmetonia ²	Allegheny	.04	.15	.25		.02				.08	T.			.19	.63	T.								.05	.45	.07	T.	T.	T.	T.	T.	T.	1.93	
Beaver Falls ²	Beaver	T.	.12	.04		.01	T.	T.		.02	T.	.01	T.	.15	.58	T.								T.	.44	.14	.01	T.	T.	T.	T.	T.	1.52	
Blairsville ²	Allegheny	.07	.20	.32		.37	.09	T.		.03	T.	T.	T.	.25	.62	.02	T.	.01			.02	T.		T.	.47	.06	.01	.02	T.	T.	.02	T.	2.38	
Bradford	Allegheny		.20	.07		.03	T.		.04	.15	.03	T.	T.	.29	.07	.02					.02			.10	.74	.27	.07	.08	.05	.03		.01	2.22	
Brookville ²	Allegheny	.02	.11		.12	.02	T.		.15	.03	T.			.23	.34	.03	T.								.53	.42	.04	.03	T.	.15			2.22	
Bucktown	Allegheny		.04		.11				.10					.60							.03			.24	.88		.04		T.	.04			2.08	
Butler	Ohio		.20	.04		T.	T.							.48	.10														.26				\$	
Clarion ²	Allegheny	.02	.20		.03	.02		T.	.11	.02			T.	.12	.46		.01							T.	.65	.36		.01		.13	.02		2.16	
Claysville	Ohio		.43		.03			T.						.68	T.									.11	.26			T.	T.				1.51	
Confluence ²	Youghiogheny		.09		.23	.03		T.		.06		T.		.43	.63	T.					T.			T.	.53	.04	.68	T.	T.	T.	T.	.01	2.13	
Conneautville ²	Monongahela	.01	.05	.15		.11	T.		.05					.40	.36	T.					T.			T.	.09	.07	.01		.01	.02			1.86	
Coraopolis ²	Ohio	T.	.25	.20		.02			.04					.35	.24	.01		T.						.11	.52	.10	.03		T.	T.			1.87	
Corry ²	Allegheny		*	.43					.30	.04	.05	T.			.65	.05									.31	.58			.30	T.			2.71	
Coudersport	Allegheny	T.	.09	.03		.04	T.		.06	.30	T.	.04		.44	.05	.04					.06			.80	.60	.23	.12	.03	.06	.05		T.	3.04	
Derry	Conemaugh		.60		T.	.12			T.	.04	T.			.75	.03	T.								.11	.35		.05	.02	T.	T.			2.07	
Donora ³	Monongahela		.44			.07	T.		.06					.92	.01									.14	.23	.02		T.	T.			.01	1.90	
Dunlop	Allegheny	.06	.34		*	.21			.15	.03		.04	.08	.51					.03		*	.26			.21	1.18		.06		.03	.02	.04	3.27	
Ebensburg	Conemaugh		.53			.35	T.		.29	.30				.57	.13										.35	1.30		T.	T.	.24	T.		4.16	
Fraunklin ²	Allegheny		.13	.55					.14	.04				.08	.06	T.	.02							T.	.30	.47	T.		T.	T.			1.83	
Greensburg ²	Monongahela	T.	T.	.13		.24	T.		.02	.04	T.	T.	T.	.44	.23	T.					T.	T.		.02	.24	.07	T.	T.	T.	T.			1.41	
Greensburg	Youghiogheny	.02	.50		.01	.18	T.	T.	.02	.03	T.	T.	T.	.71	.03						T.	T.		.13	.36	T.	.02	T.	.02	.03		.02	2.08	
Greenville	Beaver		.27	.03		*		.11						.30	.10						T.	T.		.18	.43	.03		T.	.11	.09		.09	1.74	
Grove City	Beaver		.17	.13		.01		.12	.06					.37	.07	T.								.16	.65	.01		.01	.01	.02	.04		1.83	
Indiana	Allegheny		.46			.45	T.		.13					.44	.06						.03			.16	.03		.07		T.	.05			1.88	
Irwin	Monongahela		.35	.01	.01	.12	T.		.01	.04				.81	.02	.01								.15	.34	.02	T.	T.	T.	.02		.01	1.92	
Johstown	Conemaugh		.55		.03	.32	T.		.03	.07				.27	.06						.07	.03		.22	1.03	T.	.10	.03	.01	.07		.02	2.81	
Kane Airway Sta ²	Allegheny	T.	.44		.18	.05	.09	T.	.24	.28	.04	.02	T.	.45	.04	.01	.01	T.			T.	.01			.36	.94	.01	T.	T.	.14	.05		.05	3.41
Lake Lynn ²	Monongahela	.01	.03	.12		.14	.02		.08					.28	.20										.12	.04	.01	T.		.02	.02		1.09	
Lock No. 4 ²	Monongahela	.06	.42	.11		.05	.01	T.		.08	T.	T.		.45	.39	.01								.01	.29	.13	T.	T.	T.		.01	2.02		
Lock No. 5 ²	Allegheny	.02	.22	.19		.03			.07	T.				.11	.65	.03	T.	T.	T.					T.	.52	.09	.02	T.	T.	.01	.02		1.98	
Lycippus																																		

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month		
Altoona	Maximum	18	42	58	66	59	51	36	43	34	33	29	28	32	...	...	...	...	...	...	...	...	...	...	...	...	43	47	43	38	33	31	33	40.5	
	Minimum	39	36	35	36	50	31	24	21	27	24	12	15	22	...	...	...	...	...	...	...	...	...	...	...	...	36	30	29	28	26	12	23	27.8	
Bedford	Maximum	62	44	60	66	61	58	36	43	39	40	34	30	38	37	36	50	52	54	50	47	35	40	40	40	53	47	50	53	36	34	33	36	41.6	
	Minimum	12	37	36	42	52	35	27	22	30	22	16	20	25	26	21	22	28	28	31	26	37	18	14	18	26	39	39	35	31	28	12	26	28.4	
Bethlehem*	Maximum	36	45	58	54	57	53	31	11	11	10	10	10	10	22	28	28	28	31	26	37	18	14	18	28	47	33	31	31	32	20	17	26	29.9	
	Minimum	31	36	41	40	49	31	25	27	35	27	22	22	22	22	22	28	28	31	26	37	18	14	18	28	47	33	31	31	32	20	17	26	29.9	
Bloomsburg (near)	Maximum	38	45	52	60	65	52	35	43	39	39	32	30	36	35	35	33	46	45	42	41	36	29	36	40	46	46	48	37	43	38	34	31	36	41.4
	Minimum	21	35	37	35	14	27	21	30	32	26	11	10	22	29	26	22	26	19	20	20	10	12	20	40	46	25	27	34	31	24	10	12	21.9	
Brookville	Maximum	46	50	59	68	58	42	37	47	31	34	29	29	34	30	33	43	39	47	45	32	37	48	50	47	37	54	36	34	31	32	...	...	41.3	
	Minimum	34	37	42	34	12	37	20	18	28	20	10	10	10	21	27	20	21	32	22	20	23	5	6	26	33	35	31	34	30	26	16	...	26.8	
Butler	Maximum	62	55	54	70	69	58	39	40	39	30	30	34	34	...	...	...	...	...	...	...	...	...	...	...	56	61	55	...	...	...	...	...	46.8	
	Minimum	44	45	16	33	55	31	22	22	29	25	11	12	29	21	28	35	33	21	27	13	...	...	...	37	42	...	...	...	...	...	...	30.0		
Carlisle	Maximum	55	45	56	50	60	54	12	45	42	42	40	35	34	40	39	52	60	46	42	45	34	41	38	58	52	40	47	40	41	36	37	34.8		
	Minimum	36	34	40	37	45	40	35	23	34	25	20	20	23	30	43	20	28	21	25	32	12	15	27	38	40	34	31	34	30	14	20	28.3		
Chambersburg	Maximum	52	45	60	18	59	50	42	44	40	45	36	34	33	39	38	19	47	48	53	47	36	40	36	59	49	46	44	38	39	37	35	44.2		
	Minimum	39	39	39	38	47	29	28	27	29	27	21	24	25	31	25	24	34	26	31	34	19	20	28	36	35	35	37	34	29	19	26	29.9		
Claysville	Maximum	60																																	

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Daily Temperatures for December, 1941—(continued)

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Port Clinton.....	Maximum....	49	46	5	56	60	61	44	39	40	40	40	37	35	43	35	47	45	45	48	46	34	35	43	58	53	48	43	42	35	33	35	44.2
	Minimum....	27	34	41	31	42	41	24	22	30	24	19	17	22	34	28	22	28	20	22	31	14	12	25	42	48	32	35	33	30	15	20	27.9
Quakertown.....	Maximum....	46	49	57	58	60	58	43	40	39	41	37	39	37	45	43	48	46	44	50	44	30	35	43	58	51	42	41	40	34	30	35	43.7
	Minimum....	22	35	41	33	46	41	23	23	22	24	20	15	21	32	27	32	28	19	29	27	12	13	21	42	39	31	35	31	26	12	16	27.0
Reading*.....	Maximum....	40	47	58	59	62	52	37	45	43	43	34	31	42	41	36	53	48	45	52	42	31	44	55	60	42	45	40	38	34	39	44.8	
	Minimum....	35	37	42	39	52	34	27	28	31	28	23	25	25	29	29	30	34	28	35	21	16	19	29	48	36	35	38	34	24	18	26	30.8
Retreat.....	Maximum....	41	52	50	58	62	55	38	41	39	38	31	28	34	39	32	45	46	48	47	37	27	35	48	61	54	48	47	39	33	30	36	42.5
	Minimum....	23	36	40	37	44	37	28	18	34	24	26	15	21	29	27	22	20	24	23	23	21	12	21	44	34	26	35	29	24	10	12	26.4
Ridgway†.....	Maximum....	47	47	59	66	60	39	37	37	31	32	28	30	35	29	32	43	38	45	44	31	33	44	53	50	37	52	37	36	36	33	35	40.5
	Minimum....	32	33	40	32	32	37	19	17	23	24	15	11	14	25	21	20	31	27	21	20	2	2	22	37	34	30	32	29	25	10	12	23.5
Seranton*.....	Maximum....	39	47	53	63	63	55	29	43	39	38	28	30	39	38	32	44	42	48	44	39	23	37	53	58	46	38	42	33	30	31	35	41.3
	Minimum....	27	38	44	41	54	29	22	20	32	23	20	19	23	29	28	29	25	34	15	10	13	25	45	32	29	33	29	16	15	2	20	24.2
Selinsgrove.....	Maximum....	47	43	54	50	61	58	41	42	40	40	36	32	35	39	34	47	47	42	42	32	37	35	56	51	42	41	43	42	32	35	42.7	
	Minimum....	29	34	36	37	46	37	23	21	33	24	18	20	24	30	26	23	32	23	27	12	15	25	33	40	36	30	33	26	15	20	27.7	
Somerset.....	Maximum....	47	51	55	65	58	54	30	36	32	32	25	20	33	36	32	44	40	48	45	43	31	44	46	50	40	52	45	30	29	35	34	40.9
	Minimum....	44	38	40	32	51	29	23	12	24	21	9	11	24	22	16	24	33	22	23	24	12	19	29	40	34	33	29	28	23	14	24	26.0
Springs.....	Maximum....	57	53	60	61	58	54	31	40	30	34	26	25	35	35	31	43	37	47	46	42	43	56	47	51	37	52	40	28	25	32	36	41.7
	Minimum....	36	34	38	37	48	26	18	20	13	20	9	15	21	18	14	27	31	22	27	22	12	19	28	36	32	31	27	25	21	2	20	24.2
State College*.....	Maximum....	42	43	57	59	59	56	35	39	33	34	28	28	36	36	32	46	40	49	48	41	29	38	44	56	40	40	43	33	32	30	33	40.6
	Minimum....	35	36	39	35	52	29	23	25	30	23	18	20	25	24	22	32	32	28	31	20	13	18	28	39	34	30	33	30	19	15	26	27.9
Stroudsburg†.....	Maximum....	39	45	63	60	58	54	36	41	41	42	32	34	39	38	35	48	48	44	48	39	30	34	58	57	48	36	41	35	35	36	36	43.0
	Minimum....	21	22	38	37	38	41	25	19	22	23	16	14	17	23	29	22	24	18	20	26	8	9	13	25	45	29	32	32	29	9	12	23.8
Towanda.....	Maximum....	38	47	64	68	63	53	33	45	39	38	33	27	35	37	34	46	43	45	45	41	28	40	47	56	48	38	41	38	31	31	36	42.2
	Minimum....	21	35	39	36	50	28	18	15	32	25	15	14	21	26	27	27	25	18	22	14	11	8	22	45	33	32	32	21	12	9	13	24.1
Uniontown.....	Maximum....	65	56	57	76	63	59	39	45	37	42	31	35	42	42	37	49	44	54	51	47	44	62	59	60	45	60	48	35	33	34	41	48.1
	Minimum....	45	46	47	38	55	35	27	26	30	24	16	24	32	27	20	30	37	29	30	30	20	27	47	43	39	38	35	32	27	20	30	32.5
Vandergrift.....	Maximum....	64	55	56	71	65	55	37	41	34	35	33	35	40	39	39	49	43	52	54	47	42	54	57	60	43	56	53	37	36	38	38	47.0
	Minimum....	42	46	38	40	51	31	25	26	20	18	21	23	27	17	27	26	38	40	45	30	21	32	45	41	35	35	31	25	22	28	31.6	
Warren.....	Maximum....	45	46	58	69	60	56	35	35	33	30	28	28	35	35	28	40	39	46	45	43	34	47	49	52	40	50	44	32	29	34	37	41.4
	Minimum....	25	41	40	34	55	30	18	18	28	20	18	15	25	24	21	27	29	30	22	26	4	20	37	40	36	30	31	28	21	12	26	26.4
Waynesburg.....	Maximum....	65	56	55	72	65	60	39	44	38	39	33	37	43	42	38	49	42	53	50	47	47	64	62	59	44	58	48	35	32	33	40	48.0
	Minimum....	46	49	38	35	55	33	25	22	29	20	14	22	32	25	18	29	32	34	26	29	18	21	43	42	37	37	34	31	26	21	26	30.8
Wellsboro†.....	Maximum....	37	43	60	63	58	43	38	40	33	33	29	30	36	30	32	43	45	45	47	31	28	37	53	52	37	38	38	31	29	32	35	39.5
	Minimum....	21	22	36	34	43	38	16	15	22	21	11	12	14	23	24	24	30	22	21	21	3	16	31	36	27	28	28	24	6	6	21.9	
West Chester.....	Maximum....	47	50	59	56	62	58	40	45	42	46	36	30	48	40	35	52	48	46	48	43	30	37	51	59	50	41	47	39	39	35	39	45.1
	Minimum....	32	38	42	39	50	40	25	24	33	25	23	22	24	32	27	26	32	27	32	30	15	18	30	50	36	34	36	34	30	17	22	30.5
Wilkes-Barre†.....	Maximum....	39	47	52	60	62	52	31	43	40	39	30	29	40	39	33	47	44	51	46	37	37	37	52	60	47	41	43	34	38	30	36	42.5
	Minimum....	23	38	43	43	50	28	20	20	32	22	18	20	22	29	28	25	24	23	26	15	12	12	23	45	32	30	34	30	18	13	19	26.4
Williamsport.....	Maximum....	42	42	50	58	62	54	39	47	41	38	32	30	35	38	33	47	42	46	43	42	32	32	48	55	46	37	41	39	35	30	35	41.5
	Minimum....	29	37	42	41	52	37	22	23	34	29	19	19	23	30	28	28	35	24	21	32	11	16	26	45	36	30	36	34	25	9	22	28.8
Williamstown.....	Maximum....	60	47	50	57	58	58	48	38	38	34	26	40	32	29	45	45	45	45	44	36	33	43	49	53	43	38	38	33	33	34	42.1	
	Minimum....	30	31	40	47	52	40	21	24	33	25	17	20	18	15	23	29	36	28	35	32	11	18	30	41	40	30	33	29	17	12	23	28.7
York.....	Maximum....	57	46	58	50	66	58	41	47	41	46	38	35	35	39	38	53	48	47	49	46	36	44	51	58	52	45	45	40	39	36	40	46.3
	Minimum....	39	36	40	34	47	41	27	23	29	23	18	20	27	33	25	22	29	23	24	34	16	16	27	49	43	33	34	35	30	18	23	29.6

Unless otherwise noted temperatures shown represent extremes for 24-hour period ending in late afternoon. * Midnight to midnight. † Thermometers read in morning, maximum set back to preceding date ‡ 1:30 a. m. to 1:30 a. m. †, ‡, etc., indicate respectively 1, 2 or 3 days missing from record.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					† Wind				Relative humidity			Percentage of sunshine
	Mean	Highest.	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Erie.....	30.06	30.56	21	29.23	24	10.0	27	sw.	24	84	....	81	8
Harrisburg.....	30.10	30.58	12	29.29	24	8.5	34	se.	24	78	60	69	40
Philadelphia.....	30.09	30.62	12	29.38	24	12.3	43	s.	24	78	56	69	49
Pittsburgh.....	30.09	30.54	11	29.32	24	11.5	34	w.	8	80	66	72	25
Reading.....	30.10	30.62	12	29.31	24	12.3	47	sw.	24	69	52	61	41
Seranton.....	30.08	30.60	12	29.30	24	7.4	31	sw.	24	76	65	65	41

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION,
L. F. CONOVER.
HARRISBURG, PA.

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ANNUAL SUMMARY, 1941.

No. 13.

GENERAL SUMMARY.

Several record-breaking periods of warm weather characterized the year. Temperature deficiencies were reported in only four months and an average daily excess of 1.1° was accumulated during the year. The average in the Plateau Section was only 48.4° ; while the Mountain was 50.0° ; Lake Erie, 51.0° ; the Southwest, 52.5° ; and the Southeast, 54.2° .

Only twice before, in the period of record, have lower amounts of precipitation been recorded in Pennsylvania. Eight months with sub-normal averages brought the accumulated deficiency for the year to 7.81 inches. Averages varied from 25.50 inches in the Lake Erie Section to 38.70 inches in the Southwest; that in the Plateau being 32.89 inches; the Southeast, 33.01 inches; and the Mountain, 33.14 inches. Drought conditions were particularly serious in the autumn. Cisterns ran dry; farmers had to haul water for stock; in a few localities, drinking water was boiled as a precaution; and the activities of several factories were curtailed. Soil moisture was, generally, at a low stage as a result of the prolonged periods of deficient rainfall.

Snowfall was lightest in the Southeast Section, where an average of 33.2 inches was reported. The Southwest Section had an average of 34.0 inches; Lake Erie, 38.3 inches; the Mountain, 47.2 inches; and the Plateau, 47.6 inches. Most stations reported greatest falls in March.

WEATHER BY MONTHS

JANUARY:- Temperature and precipitation were both deficient. Snowfall was above normal, the greatest falls occurring during the latter half of the month. The storm of the 27th caused several deaths and paralyzed traffic. The snow cover, during the second half of the month, was ample to protect winter grains from low temperatures.

FEBRUARY:- In the period of record, only in 1901 has the February precipitation average been lower. Greatest falls of snow were reported at the end of the month, but they were insufficient to bring the average up to normal. Seven deaths resulted from the numerous accidents caused by this snow. Lack of snow cover in southeastern counties resulted in damage to winter grains.

MARCH:- The average snowfall was the fourth heaviest of record. Some damage was done by high winds on the 20th. A sharp rise in the Allegheny River, early in the month, caused little damage.

APRIL:- The average temperature was the second highest reported in the period of record for the month, being exceeded only in 1921. Rain and melting snow caused rivers to rise in the first part, but only the North Branch of the Susquehanna River reached crests above flood stages. One death and some property damage resulted from lightning. Vegetation, previously retarded, responded to the higher temperatures and were at normal stages of development by the end of the month.

MAY:- The extreme maximum, 102° at Marcus Hook, equalled the record for May. Four deaths and some property damage resulted from thunderstorms. Heavy hail damaged crops in the Lancaster-Lebanon area.

JUNE:- During the first six months of the year, an average daily excess temperature of 0.1° had been accumulated. A deficiency in precipitation of 5.97 inches had accumulated in the same period due to sub-normal amounts recorded in the first five months. In the Southwest portion, heavy downpours, early in June, caused streams to rise suddenly, to crests above flood stages. Four people were drowned and extensive property damage resulted. Heavy hail damaged crops and property in Lancaster and Lehigh Counties.

JULY:- The 29° minimum, reported at Coudersport, equalled the lowest temperature ever reported in July. Six deaths resulted from the numerous heat prostrations reported. A new record of total rainfall for the month was established at George School. Two deaths resulted from lightning and thunderstorms did extensive property damage. Exceptionally violent wind storms were reported in Potter County on the 18th and in Bucks County on the 30th.

AUGUST:- Lightning and high winds, accompanying thunderstorms, caused much property damage. A tornado originated in southern Chester County on the 25th and did considerable damage to property and crops before moving eastward into Delaware.

SEPTEMBER:- Only once, in the period of record, has September had a lower precipitation average than this month. This was the second month of the year in which precipitation averages neared record low levels. Drought conditions were increasingly serious as the month ended. A notable event of the month was the exceptionally brilliant and beautiful aurora observed on the 18-19th.

OCTOBER:- 100° , a new record maximum for October, was established at Phoenixville. In addition, a number of individual station records, particularly in the southeast, were broken, as temperatures averaged higher than they had in any October since 1920. Soil moisture, already low, was further depleted. Killing frosts or sub-freezing temperatures had been reported from most stations by the end of the month.

NOVEMBER:- Cold weather about the 10th resulted in the death of one man from exposure. Drought conditions were alleviated by nearly normal precipitation but soil moisture was far from ample. A thunderstorm at St. Marys, Elk County, did some property damage.

DECEMBER:- The extreme maximum for the month, 76° at Claysville, has been exceeded only once in the period of record for December, and several stations reported new records. Snowfall was below normal. One man was killed, three were injured, and considerable property damage resulted from lightning in thunderstorms, general about the 24th. High winds, in these storms, increased the damage and caused at least one injury. Dense fog coming in the latter half of the month led to several accidents from which two deaths resulted.

Climatological Data for the Year 1941

STATION	Counties	Elevation, feet	Temperature (degrees Fahrenheit)					Precipitation (inches)					Sky							
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)	Number days with .01 or more	Number clear days	Number partly cloudy days	Number cloudy days	Prevailing direction of wind
Atlantic Drainage.																				
Allentown.....	Lehigh.....	260	19	52.4	97	July 28	8	Jan 30	29	28.76	4.01	July	0.40	Sept.	37.0	98	192	153	20	ne.
Altoona.....	Blair.....	1,500	45	50.0	95	do. 27	-4	Feb. 10	57	42.99	8.19	do.	1.04	Feb.	64.8	119	213	78	74	w.
Ardmore.....	Montgomery.....	331	22	54.7	99	May 22	9	do. 10	22	37.94	7.00	do.	0.72	Sept.	34.4	94	141	125	99	.....
Arendtsville.....	Adams.....	710	20	53.4	100	July 27	10	Jan. 14	20	30.29	5.00	June	0.67	do.	24.9	90	210	77	78	nw.
Bedford.....	Bedford.....	1,100	10	52.2	96	do. 27	2	Feb. 5	10	29.47	6.25	do.	0.50	Feb.	35.0	75	181	27	157	nw.
Bethlehem.....	Northampton.....	364	39	54.2	97	May 22	10	Jan. 30	56	28.88	5.18	July	0.32	Sept.	40.1	103	212	58	95	nw.
Carlisle.....	Cumberland.....	473	75	53.8	101	July 28	8	Feb. 11	52	33.77	5.88	June	0.80	Feb.	37.5	94	204	55	106	sw.
Centre Hall.....	Centre.....	1,343	40	50.8	99	do. 29	-2	do. 10	46	34.38	4.92	do.	0.51	do.	50.5	98	147	105	113	.....
Chambersburg.....	Franklin.....	600	42	54.2	101	do. 23	11	Mar. 14	45	33.45	5.55	do.	0.30	do.	34.2	89	149	118	98	sw.
Clearfield.....	Clearfield.....	1,260	31	49.4	98	do. 27	-7	Feb. 10	34	38.04	7.11	Aug.	0.30	do.	46.3	127	153	64	149	sw.
Coatesville.....	Chester.....	431	54	53.6	101	do. 28	9	Jan. 30	53	29.30	3.81	June	0.37	Sept.	28.2	86	130	68	167	uw.
Colebrook.....	Lebanon.....	630	26	51.4	97	do. 28	7	Feb. 10	32	30.29	5.01	do.	1.20	Feb.	34.5	93	196	43	126	w.
Emporium.....	Cameron.....	1,033	54	48.2	96	do. 27	-8	do. 5	54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	w.
Ephrata.....	Lancaster.....	365	41	51.3	102	do. 28	11	Jan. 14	49	32.18	6.34	June	1.11	Sept.	31.1	91	167	84	114	n.
Freeland.....	Luzerne.....	1,500	48	47.8	91	do. 27	0	do. 14	48	37.13	6.26	July	0.91	Feb.	49.3	111	90	20	255	w.
George School.....	Bucks.....	184	35	53.9	97	do. 2	7	do. 30	35	46.05	16.11	do.	0.36	Sept.	32.3	107	183	109	73	nw.
Gettysburg.....	Adams.....	553	66	54.6	101	do. 28	11	Feb. 10	68	27.66	3.62	Dec.	0.56	Feb.	28.2	93	206	62	97	w.
Gordon.....	Schuylkill.....	900	38	49.6	95	do. 27	1	do. 5	38	33.13	5.62	do.	0.38	Sept.	63.5	103	176	73	116	w.
Hanover.....	York.....	600	37	55.2	100	do. 28	11	Mar. 18	37	30.64	4.63	June	0.76	do.	35.2	98	196	47	122	s.
Harrisburg.....	Dauphin.....	337	53	54.4	99	do. 28	13	do. 18	72	25.52	3.49	Dec.	0.72	do.	29.5	95	112	104	149	w.
Hawley.....	Wayne.....	900	23	48.0	96	do. 25	-7	Feb. 6	23	30.52	4.62	June	0.61	do.	61.8	118	210	79	76	w.
Holtwood.....	Lancaster.....	200	22	55.3	98	do. 28	15	Jan. 14	28	25.88	3.89	July	0.32	do.	33.5	99	177	85	103	nw.
Huntingdon.....	Huntingdon.....	700	54	51.4	99	do. 28	-1	Feb. 10	54	35.26	5.39	June	0.25	Feb.	42.2	92	151	96	118	w.
Kyertown.....	Clearfield.....	1,700	12	47.8	95	do. 27	-3	do. 10	12	29.19	4.48	Aug.	0.50	do.	39.5	133	65	124	176	w.
Lancaster.....	Lancaster.....	280	38	53.1	99	do. 28	5	Jan. 30	54	36.29	9.14	July	0.69	Sept.	29.5	91	214	71	80	nw.
Lawrenceville.....	Tioga.....	996	44	47.6	99	do. 27	-12	Feb. 10	44	27.56	5.83	do.	0.35	Feb.	45.5	94	156	149	100	.....
Lebanon.....	Lebanon.....	475	53	52.7	102	do. 28	10	Jan. 14	58	29.56	4.42	June	1.07	do.	32.5	93	247	62	56	sw.
Lewistown.....	Mifflin.....	480	4	53.4	99	do. 28	5	Feb. 10	4	32.85	6.29	July	0.32	do.	41.5	95	134	71	160	e.
Lock Haven.....	Clinton.....	554	51	50.5	100	do. 27	1	do. 10	51	33.17	7.14	Aug.	0.36	do.	53.0	94	140	109	116	nw.
Marcus Hook.....	Delaware.....	50	16	57.6	104	do. 28	14	Jan. 29	16	32.39	4.37	July	0.30	Sept.	30.3	90	274	33	58	sw.
Mauch Chunk.....	Carbon.....	540	51	50.2	94	do. 1	-3	Feb. 11	51	42.21	9.51	do.	0.94	do.	39.3	104	200	58	97	w.
Middletown.....	Dauphin.....	303	12	53.4	100	do. 28	12	Jan. 14	12	27.09	3.76	Aug.	0.77	Feb.	.....	100	.....	.....	.....	nw.
Mt. Pocono.....	Monroe.....	1,740	36	44.4	85	Apr. 20	-4	do. 14	36	.....	.....	.....	.....	.....	.....	153 ^a	81 ^a	130 ^a	.....	nw.
Muncy Valley.....	Sullivan.....	564	29	.....	.....	.....	.....	.....	29	38.31	6.96	July	0.28	Feb.	.....	.....	.....	.....	.....	w.
Neshaminy Falls.....	Bucks.....	80	27	.....	.....	.....	.....	.....	27	47.01	12.65	do.	0.29	Sept.	26.5	103	227	37	101	w.
New Bloomfield.....	Perry.....	679	4	50.9	100	July 27	0	Feb. 11	4	32.80	5.41	June	0.74	Feb.	33.5	91	163	133	69	w.
Palmerton.....	Carbon.....	420	16	52.0	99	do. 27	6	do. 11	25	29.61	1.78	July	0.64	Sept.	41.7	102	128	126	111	sw.
Philadelphia.....	Philadelphia.....	23	70	56.2	97	do. 2	15	Jan. 30	70	32.18	5.60	do.	0.51	do.	26.9	92	140	125	100	n.
Phoenixville.....	Chester.....	100	31	54.3	100	do. 2	3	do. 30	32	34.18	7.24	do.	0.24	do.	31.5	97	193	115	57	w.
Port Clinton.....	Schuylkill.....	430	3	51.8	98	do. 28	5	Feb. 11	3	31.02	4.64	do.	0.84	do.	45.0	103	245	29	91	n.
Quakertown.....	Bucks.....	480	54	50.9	96	do. 1	1	Jan. 30	56	33.74	5.08	Aug.	0.60	do.	37.3	108	187 ^b	98 ^b	83 ^b	nw.
Reading.....	Berks.....	273	44	54.6	99	do. 28	13	do. 14	64	31.93	4.76	June	0.37	do.	47.2	100	139	106	120	nw.
Retreat.....	Luzerne.....	600	8	48.7	92	do. 25	2	do. 21	8	33.24	7.04	July	0.76	May	66.8	100	194	75	96	nw.
Scranton.....	Lackawanna.....	746	47	50.7	96	do. 25	6	do. 14	47	27.28	4.93	Aug.	1.00	Sept.	38.1	121	113	127	125	sw.
Sellingrove.....	Snyder.....	66	52	54.8	98	do. 28	0	Feb. 5	52	30.05	4.24	Dec.	0.61	Feb.	46.1	109	127	123	115	sw.
Shawmont.....	Philadelphia.....	664	24	53.6	99	do. 27	12	Jan. 30	45	35.99	8.18	July	0.45	Sept.	33.6	102	101	116	148	nw.
Shippensburg.....	Cumberland.....	654	9	53.6	99	do. 27	10	Feb. 10	9	28.54	4.26	June	0.21	Feb.	25.0	91	150	94	121	sw.
State College.....	Centre.....	1,200	53	50.4	97	do. 27	4	do. 10	56	30.26	4.66	July	0.32	do.	40.5	114	67	164	134	nw.
Towanda.....	Bradford.....	755	47	49.2	97	do. 25	-5	do. 10	47	25.96	5.12	June	0.47	do.	58.7	127	116	127	122	ne.
Wellsville.....	Tioga.....	1,319	61	47.2	95	do. 27	-6	do. 10	71	23.88	3.41	July	0.21	do.	51.1	100	159	82	124	w.
West Chester.....	Chester.....	440	87	53.9	98	do. 28	10	Jan. 30	92	30.86	3.88	do.	0.78	Sept.	32.4	94	218 ^a	80 ^a	66 ^a	nw.
Wilkes-Barre.....	Luzerne.....	549	3	50.0	95	do. 1	1	do. 30	57	34.33	7.31	June	0.94	do.	54.4	121	77	137	151	n.
Williamsport.....	Lycoming.....	542	52	51.0	98	do. 27	1	Feb. 5	55	34.92	5.93	Aug.	0.29	Feb.	52.8	104	153	134	78	w.
Williamstown.....	Dauphin.....	1,275	26	52.1	98	do. 27	4	Jan. 14	26	31.62	5.54	Dec.	0.81	do.	36.0	94	182	81	99	sw.
York.....	York.....	640	42	54.1	101	do. 27	8	do. 29	54	29.54	4.34	June	0.47	Sept.	38.1	105	193 ^a	101 ^a	70 ^a	s.
Ohio Drainage.																				
Brookville.....	Jefferson.....	1,240	30	46.4	94	July 27	-13	Feb. 10	52	42.87	7.39	July	0.78	Feb.	53.0	139	75	46	244	.....
Butler.....	Butler.....	1,077	19	51.8	96	do. 26	-6	do. 10	19	36.77	7.26	do.	0.63	do.	44.5	107	142	122	101	w.
Claysville.....	Washington.....	1,150	37	51.6	95	do. 26	1	Mar. 1	37	36.33	6.84	June	0.67	do.	30.1	131	212	57	96	s.
Corry.....	Erie.....	1,432	29	47.2	99	do. 27	-6	Feb. 5	30	32.09	4.88	Oct.								

Monthly and Annual Precipitation for the Year 1941, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual		
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	
DELAWARE BASIN.																											
Allentown.....	3.24	-0.35	1.58	1.78	2.50	-0.90	1.84	-1.87	1.40	2.00	2.51	-1.43	1.01	-0.60	3.11	-1.79	0.40	2.94	2.12	-1.43	2.71	-0.05	3.34	0.17	28.77	15.51	
Ardmore.....	3.76	+0.13	2.75	0.80	2.80	-1.33	3.34	0.49	1.42	2.52	4.01	+0.08	7.00	+2.37	2.08	2.99	0.72	2.85	1.84	-1.77	2.99	-0.38	1.68	0.94	37.94	-9.66	
Bethlehem.....	2.79	-0.66	1.89	-1.22	1.82	-1.42	1.94	-1.56	1.31	-1.81	2.42	-1.14	5.18	+0.62	3.06	-1.40	0.32	2.92	1.81	-1.51	3.33	+0.36	3.17	-0.11	28.93	13.10	
Contesville.....	1.03	-0.93	1.62	-2.15	2.27	-1.75	2.31	1.45	1.70	-1.89	3.81	-0.39	3.29	-1.27	3.21	-1.32	0.37	-3.01	1.54	-1.82	2.41	-0.53	3.74	-0.27	29.39	16.98	
Conshohocken.....	3.16	-0.41	1.93	-1.28	2.89	-0.23	2.36	-1.16	1.52	-1.69	4.35	+0.53	6.37	+2.01	0.36	2.55	1.15	-2.30	3.12	+0.16	4.29	1.02	3.32	-0.52	33.80	12.91	
Doylesstown.....	2.81	-0.83	1.74	-1.71	2.77	-0.95	2.11	-1.91	1.35	-2.22	1.89	+0.94	6.13	1.26	3.88	-1.37	0.30	-3.50	1.44	-2.37	3.16	+0.10	3.32	-0.52	33.80	12.91	
Fredericksville.....	1.46	.....	1.31	.....	2.83	.....	2.65	.....	1.54	.....	3.92	.....	6.62	.....	5.28	.....	0.70	.....	2.19	.....	3.14	.....	1.44	.....	37.99	.....	
Freeland.....	2.19	-1.05	0.91	-2.60	2.55	-1.82	2.02	-2.56	1.69	-2.15	5.17	+0.51	6.26	+1.35	4.48	+0.08	1.15	-2.70	2.19	-2.16	3.76	+0.03	4.46	+0.54	37.13	-11.87	
George School.....	3.30	-0.45	1.95	-1.11	3.55	-0.13	3.18	-0.11	1.37	-1.99	4.26	+0.59	16.11	.....	3.25	-1.79	0.36	-3.10	1.43	-2.27	3.13	+0.26	4.16	+0.59	36.05	+1.84	
Gouldsboro.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Graterford.....	3.51	-0.31	1.94	-1.47	2.21	-1.84	2.04	-1.78	1.10	-1.81	4.75	+0.84	4.48	+2.90	3.61	-1.11	0.36	-2.81	1.28	-2.38	2.85	-0.11	3.45	0.01	34.88	-9.89	
Hawley.....	2.71	-0.07	1.69	-1.13	2.23	-0.67	2.19	-0.73	2.11	-1.41	1.02	+0.17	7.39	+0.61	3.68	-0.31	0.61	-2.60	1.99	-1.37	2.40	+0.23	3.26	+0.13	30.52	-7.57	
Hollisterville.....	3.16	+0.31	1.45	-1.39	2.58	-1.08	1.76	2.01	2.19	-0.87	5.86	+1.58	4.25	-0.50	4.00	+0.12	0.93	-2.91	1.89	-1.35	2.49	-0.54	2.97	+0.30	33.53	-8.34	
Lakeville.....	2.58	-0.27	1.62	-1.01	1.89	-1.94	2.52	-1.42	0.33	0.34	1.40	-0.35	3.54	-1.28	3.67	-0.95	0.49	-2.97	2.24	-1.20	2.57	-0.22	2.67	+0.11	30.92	-11.84	
Lansford.....	2.96	+0.24	0.95	-1.79	1.91	-1.42	2.30	-1.10	1.10	-2.35	3.35	-1.11	8.12	+3.63	4.16	-0.49	0.61	-3.12	2.41	-1.49	4.08	+1.49	5.92	+2.09	37.37	-5.43	
Lehighton.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Marcus Hook.....	3.26	-0.26	2.31	-0.24	2.87	-0.81	3.20	-0.56	1.02	-1.93	3.50	-0.23	4.37	+0.21	3.07	-2.61	0.30	-2.91	1.26	-1.11	5.14	+0.36	4.99	+1.30	32.39	-8.82	
Matamoras.....	2.22	-0.50	1.82	-0.75	2.01	-1.09	2.25	-1.15	2.05	-1.32	4.41	+0.41	6.35	+2.63	3.87	+0.11	0.44	-2.75	1.99	-1.35	2.86	+0.05	3.18	+0.22	33.40	5.37	
Mauch Chunk.....	2.71	-0.53	1.58	-1.93	2.37	-1.79	1.93	-2.12	1.34	-2.22	4.01	-0.46	9.51	+4.74	6.26	+1.37	0.94	-3.07	2.49	-1.41	3.95	+0.79	5.12	+1.08	42.21	-5.55	
Mount Pocono.....	4.15	+1.18	2.00	-0.98	2.90	-0.66	2.51	-1.13	1.51	-2.57	8.02	+3.26	3.64	-0.86	5.41	+1.15	0.20	-4.24	1.98	-2.70	.....	.....	.....	.....	.....	.....	
Neshaminy Falls.....	3.34	0.02	5.81	+2.85	2.59	-1.16	2.33	-1.42	1.86	-2.10	6.71	+2.83	12.65	+8.18	2.83	-3.04	0.29	-3.14	1.79	-2.23	2.70	-0.33	4.12	+0.60	47.01	+1.02	
N. W. Tripoli.....	3.15	.....	1.51	.....	2.72	.....	2.18	.....	1.28	.....	3.90	.....	4.15	.....	2.69	.....	0.49	.....	2.24	.....	3.22	.....	4.66	.....	32.19	.....	
Orwigsburg.....	2.84	.....	1.48	.....	1.71	.....	1.60	.....	1.68	.....	3.43	.....	5.72	.....	3.51	.....	0.96	.....	2.47	.....	2.59	.....	3.88	.....	31.88	.....	
Palmerton.....	2.21	-0.16	1.90	-0.49	2.28	-0.76	1.58	-1.66	1.25	-2.17	3.33	-0.38	4.78	+0.30	3.21	-0.75	0.64	-2.65	2.05	-1.34	2.14	0.15	3.94	+1.03	29.61	-9.18	
Paupack.....	2.83	+0.03	1.77	-1.05	2.63	-0.17	2.94	-0.62	2.78	-0.74	4.04	-0.10	2.92	-0.27	2.83	+0.41	0.29	-3.66	1.59	-2.12	2.76	-0.66	3.51	+0.63	32.89	-7.72	
Phila. W. B. O.....	3.16	-0.14	2.08	-1.21	2.80	-0.59	2.48	-0.57	0.87	2.49	4.96	+1.72	5.60	+1.45	2.59	-2.03	0.51	-2.63	1.10	-1.71	2.36	-0.34	3.67	+0.24	32.18	-8.23	
Phila. W. B. A. S.....	2.88	.....	1.76	.....	2.56	.....	2.62	.....	1.01	.....	4.51	.....	7.16	.....	3.95	.....	0.88	.....	1.64	.....	2.27	.....	3.74	.....	34.98	.....	
Phila. Navy Yard.....	2.95	-0.31	2.27	-1.09	2.88	-0.64	2.36	-0.94	1.55	-1.57	5.15	+1.15	11.94	+7.34	4.02	-1.26	0.63	-2.51	1.91	-1.20	2.38	-0.45	3.81	+0.37	31.85	-1.11	
Phila. Ft. Breeze.....	3.42	+0.09	2.02	-1.24	3.57	+0.03	2.67	-0.68	0.98	-2.38	4.37	+1.02	6.50	+2.01	3.23	-1.95	0.80	-2.53	1.59	-1.34	2.48	-0.38	3.94	+0.52	35.57	-6.83	
Phoenixville.....	3.35	-0.28	1.97	-1.43	2.66	-0.98	2.29	-1.23	1.23	-2.33	4.45	+1.08	7.24	+2.28	2.58	-2.77	0.24	-8.03	1.05	-2.57	3.12	+0.13	4.00	+0.31	34.18	-11.02	
Pleasant Mount.....	2.39	-0.42	1.80	-1.95	2.13	-2.43	2.21	-1.83	2.12	-1.58	6.75	+2.74	5.65	+1.44	2.37	-1.80	1.12	-3.76	2.70	-1.19	2.73	-0.55	3.87	+0.37	35.65	-13.70	
Port Clinton.....	2.92	-0.60	1.81	-1.51	2.34	-1.53	1.72	-2.42	1.47	-2.67	3.46	-1.00	6.44	-0.26	3.06	-2.11	0.84	-3.21	1.88	-2.09	3.23	+0.42	3.65	+0.04	31.02	-16.94	
Pottstown.....	.....	.....	2.06	-1.05	2.60	-0.80	1.49	-1.62	1.17	-1.89	4.60	+1.22	5.21	+0.69	1.95	-2.37	0.38	-2.62	.....	.....	1.88	-0.65	.....	.....	.....	.....	
Pottsville.....	3.11	-0.45	1.14	-2.27	2.69	-1.10	1.42	-2.39	2.74	-0.99	4.82	+0.52	6.49	+1.86	3.30	-1.36	0.46	-3.61	2.02	-2.07	3.20	+0.27	3.86	+0.01	35.25	-11.94	
Quakertown.....	2.69	-1.13	1.58	-1.73	2.85	-0.94	2.44	-1.62	2.33	1.03	4.08	+0.17	4.03	-0.65	5.08	-0.01	0.60	-3.29	1.43	-2.49	3.34	+0.20	3.29	-0.67	33.74	-13.19	
Reading.....	3.53	-0.04	1.94	-1.43	2.88	-0.84	1.88	-1.39	1.57	-2.10	4.76	+1.21	4.73	+0.47	3.32	-0.89	0.37	-2.84	2.15	-0.97	1.74	-0.59	3.26	+0.30	31.93	-10.16	
Ringtown.....	2.71	-1.28	1.41	-2.21	3.01	-1.26	1.74	-2.27	1.19	-2.30	3.14	-1.60	3.27	-1.84	4.58	-0.24	0.71	-3.43	2.31	-2.03	3.16	+0.08	4.05	+0.05	31.58	-18.33	
Sellersville.....	2.77	.....	1.54	.....	1.88	.....	2.12	.....	1.39	.....	3.66	.....	3.87	.....	4.58	.....	0.35	.....	1.72	.....	2.92	.....	3.14	.....	31.29	.....	
Shawmut.....	3.26	-0.04	1.90	-1.28	2.90	-0.57	2.74	-0.59	1.44	-1.84	3.09	-0.33	3.18	+3.89	2.79	-2.32	0.45	-2.71	1.17	-2.08	3.64	+0.81	4.43	+0.90	35.99	-6.16	
Stroudsburg.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Wernersville (near).....	.....	.....	1.06	.....	2.71	.....	1.51	.....	1.48	.....	5.64	.....	5.26	.....	3.48	.....	0.80	.....	1.72	.....	2.43	.....	3.41	.....	32.64	.....	
West Chester.....	3.07	-0.75	2.25	-1.25	2.24	-1.59	2.36	-1.38	1.60	-2.28	3.71	-0.84	3.88	-0.76	3.83	-2.17	0.78	-2.74	1.57	-2.05	2.79	-0.29	3.78	-0.02	30.86	-16.12	
Westgrove.....	2.60	.....	1.52	.....	2.05	.....	2.45	.....	2.38	.....	2.98	.....	4.00	.....	4.18												

Monthly and annual Precipitation for the Year 1941, with Departures from the Normal.—Continued

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
SUSQUEHANNA BASIN (Continued)																										
Retreat.....	2.76		2.60		1.57		1.35		0.76		4.34		7.04		5.06		1.06		1.65		2.35		2.70		33.24	
Scranton.....	1.49	-1.54	1.12	-1.92	1.64	-1.56	1.52	-1.25	1.95	-1.32	4.61	+0.94	3.45	-0.58	4.93	+1.24	1.00	-2.17	2.18	-0.85	1.92	-0.85	1.47	-1.55	27.28	-11.41
Selinsgrove.....	3.15	+0.13	0.61	-2.16	3.16	-0.52	2.21	-1.46	1.41	-2.29	3.19	-0.94	3.83	-0.21	3.14	-0.70	0.62	-2.69	2.01	-1.56	2.64	+0.17	4.24	+1.23	30.05	-11.00
Shade Gap.....	2.18		0.25		1.26		2.02		1.94		4.94		2.74		3.26		0.98		1.21		2.05		3.87		26.70	
Shippensburg.....	1.99		0.21		1.99		1.76		2.77		4.26		3.71		2.71		0.94		1.37		3.35		3.48		28.54	
State College.....	1.86	-1.22	0.32	-2.15	1.50	-1.84	1.85	-1.75	1.70	-2.19	4.22	+0.10	4.66	+0.80	4.47	+0.99	1.35	-1.55	2.71	-0.31	1.95	-0.36	3.67	+1.00	30.26	-8.48
Sunbury.....	3.77	+0.54	0.67	-2.16	2.58	-0.69	2.19	-1.37	1.71	-2.21	3.91	-0.39	4.56	+0.24	3.14	-0.66	0.60	-2.71	1.68	-1.61	2.89	+0.62	5.19	+2.27	32.89	-8.16
Susquehanna.....	1.44		1.24		1.82		1.48		1.79		2.95		4.92		2.46		1.45		1.45		1.80		2.62		25.46	
Towanda.....	1.56	-0.58	0.47	-1.52	2.16	-0.43	2.82	-0.27	1.77	-1.59	5.12	+1.30	2.69	-1.11	2.51	-0.92	0.81	-2.38	1.68	-1.23	1.89	-0.25	2.48	+0.29	25.96	-8.69
Wellsboro.....	1.87	-0.40	0.21	-1.81	2.10	-0.56	1.94	-1.12	1.12	-2.28	2.26	-1.47	3.41	+0.21	3.23	+0.05	0.78	-2.17	2.19	-0.84	2.09	-0.13	2.68	+0.54	23.88	-9.98
Wilkes-Barre.....	2.14	-0.25	1.77	-0.81	2.16	-0.75	1.46	-1.47	2.23	-0.92	7.31	+3.33	3.60	-0.47	6.71	+2.93	0.94	-2.53	1.99	-1.11	1.64	-0.58	2.38	-0.35	34.33	-2.98
Williamsport.....	2.63	-0.33	0.29	-2.21	2.25	-0.97	3.05	-0.59	0.97	-2.86	4.75	+0.89	3.51	-0.33	5.93	+2.20	1.54	-1.50	1.50	-1.72	4.48	+2.11	4.02	+1.13	34.92	-4.18
Williamstown.....	1.98	-1.08	0.81	-1.86	1.72	-1.55	1.76	-1.72	1.27	-2.54	4.10	-0.41	4.33	-1.09	4.15	+0.24	0.88	-3.26	1.77	-1.91	3.36	+0.53	5.64	+2.67	31.62	-12.01
York.....	2.47	-0.60	1.45	-1.30	2.39	-0.72	2.50	-0.69	2.38	-0.64	4.34	+0.59	3.14	-1.08	3.95	-0.11	0.47	-2.56	1.34	-1.70	2.04	-0.19	3.07	+0.14	29.54	-8.86
York Haven.....	2.42	-0.44	1.19	-1.56	2.15	-0.68	1.51	-1.71	2.05	-1.00	3.94	+0.15	2.69	-1.95	2.89	-1.13	1.97	-1.30	1.33	-1.68	2.68	+0.58	3.14	+0.15	27.96	-10.57
OHIO BASIN.																										
Acmetonia.....	3.49	+0.08	0.68	-1.94	1.81	-1.93	1.64	-1.66	3.97	+0.36	5.55	+1.03	5.59	+1.47	5.30	+1.29	1.46	-1.48	3.98	+1.02	2.59	0.00	1.93	-1.21	37.99	-2.97
Beaver Falls.....	2.33	-0.56	0.57	-1.71	1.64	-1.65	0.90	-2.11	4.12	+0.91	5.56	+1.09	6.29	+2.76	4.52	+0.92	2.00	-0.86	4.30	+1.81	2.61	+0.24	1.52	-1.12	36.36	-0.28
Blairsville.....	2.58		0.94		1.75		2.37		2.96		7.91		5.58		6.44		2.30		4.84		2.58		2.48		42.73	
Bradford.....	2.26	-1.36	1.17	-1.45	1.76	-1.79	1.95	-1.85	1.60	-2.30	5.55	+1.48	3.56	-0.88	2.61	-1.07	2.52	-1.47	5.23	+1.92	1.60	-1.59	2.22	-0.95	32.03	-11.31
Brookville.....	3.43	+0.20	0.78	-1.35	2.24	-1.01	1.90	-1.00	3.04	-0.38	7.32	+2.98	7.39	+3.23	6.28	+2.44	1.77	-1.36	4.49	+1.22	2.01	-0.88	2.22	-0.80	42.47	+3.29
Bucktown.....	2.18		0.77		1.77		2.61		3.09		7.50		3.59		3.53		1.38		2.78		1.74		2.08		33.02	
Butler.....	1.95	-1.28	0.63	-1.77	1.42	-2.02	1.37	-2.00	3.46	-0.07	4.56	-0.10	7.26	+2.85	5.61	+1.71	1.42	-2.04	5.28	+2.41	2.01	-0.79	1.80	-1.21	36.77	-4.31
Clarion.....	3.29	-0.56	0.68	-1.91	2.52	-1.16	1.28	-2.26	3.54	-0.20	6.92	+2.76	6.45	+2.06	6.79	+2.55	1.68	-1.83	4.08	+0.84	1.99	-1.34	2.16	-1.36	41.38	-2.41
Claysville.....	3.00	-0.25	0.67	-1.80	1.41	-1.92	1.24	-2.15	3.83	+0.24	6.84	+2.54	4.19	-0.06	5.34	+1.57	2.78	-0.46	3.62	+0.37	1.90	-0.70	1.51	-1.45	36.55	-3.97
Confluence.....	2.69	-1.29	0.70	-2.23	1.87	-1.98	2.15	-1.54	3.40	-0.59	10.36	+5.68	3.96	-0.62	6.19	+1.82	2.28	-0.82	3.36	+0.31	3.07	+0.36	2.12	-1.42	42.16	-2.32
Connellsville.....	2.45		0.65		1.64		2.11		2.84		11.63		6.43		4.45		2.99		4.18		2.01		1.36		42.74	
Coraopolis.....	2.42	-0.57	0.34	-2.11	1.62	-1.72	1.33	-1.74	3.24	-0.03	3.01	-1.57	3.97	+0.15	5.78	+2.64	1.72	-1.16	3.68	+1.00	2.15	-0.24	1.87	-0.93	31.13	-6.28
Corry.....	2.61	-1.51	0.79	-0.02	1.76	-2.05	2.21	-1.41	1.44	-3.07	3.88	-0.93	2.62	-0.78	2.77	-1.22	2.63	-0.97	4.88	+0.82	1.79	-2.02	2.71	-0.91	32.09	-14.07
Coudersport.....	2.34	-0.53	0.59	-1.74	2.25	-1.18	2.33	-1.26	1.84	-1.77	4.49	+0.22	6.72	+2.65	3.91	+0.61	1.05	-1.90	4.84	+1.53	1.74	-1.26	3.04	+0.35	35.14	-4.25
Derry.....	2.49	-1.39	0.93	-2.09	2.34	-1.52	2.21	-1.52	3.17	-0.47	6.96	+2.02	4.97	+0.50	6.47	+2.40	2.25	-0.86	4.30	+1.12	3.15	+0.52	2.07	-1.25	41.40	-2.52
Donora.....	2.57	-0.06	0.32	-2.05	1.12	-2.29	1.94	-1.78	3.26	-0.12	5.84	+1.89	5.29	+1.78	6.96	+3.04	3.17	+0.48	3.43	+0.63	1.94	-0.46	1.90	-0.41	37.74	+0.65
Dunlo.....	2.44		1.00		2.31		1.93		3.41		5.58		4.05		5.33		1.30		3.51		1.44		3.27		35.57	
Ebensburg.....	2.69	-0.90	1.29	-1.42	2.86	-0.78	1.93	-1.27	4.13	-0.21	6.47	+1.63	6.06	+1.89	5.98	+1.96	1.50	-1.91	3.82	+0.50	2.62	-0.26	4.06	+1.08	43.49	+0.31
Franklin.....	2.26	-1.16	0.74	-1.75	1.54	-1.81	1.53	-1.97	2.70	-1.18	3.78	-0.35	5.67	+1.40	7.00	+4.11	1.86	-1.53	4.20	+0.91	1.75	-1.18	1.83	-1.35	35.66	-5.86
Greensburg.....	2.22	-1.13	0.59	-2.00	1.83	-1.83	1.92	-1.35	3.06	-0.63	7.38	+2.74	7.35	+2.65	6.08	+2.44	3.86	+0.78	2.90	-0.10	2.76	+0.16	1.41	-1.74	41.36	+0.21
Greensburg.....	3.14	-0.29	0.95	-1.80	1.75	-1.67	1.82	-1.58	4.40	+0.62	7.38	+2.99	5.95	+2.18	6.96	+2.85	2.59	-0.33	4.00	+1.08	2.20	-0.20	2.08	-0.97	43.22	+2.88
Greenville.....	2.56	-0.65	0.65	-1.58	2.21	-1.11	1.01	-2.40	3.40	-0.73	6.32	+2.25	5.66	+1.10	2.79	-0.68	0.90	-2.61	4.20	+1.03	2.20	-0.83	1.83	-1.27	34.78	-7.48
Grove City.....	2.56	-0.65	0.65	-1.58	2.21	-1.11	1.01	-2.40	3.40	-0.73	6.32	+2.25	5.66	+1.10	2.79	-0.68	0.90	-2.61	4.20	+1.03	2.20	-0.83	1.83	-1.27	34.78	-7.48
Indiana.....	2.97	+0.03	0.55	-1.80	2.16	-1.06	2.21	-0.92	4.16	+0.93	4.09	-0.30	5.55	+1.81	6.78	+3.00	2.34	-0.41	3.75	+0.88	1.90	-0.39	1.92	-0.97	38.88	+0.80
Irvin.....	3.19	-1.13	1.38	-2.10	2.80	-1.70	2.13	-1.82	3.84	-0.25	6.83	+1.63	6.47	+2.18	5.29	+0.77	2.03	-1.21	3.80	+0.54	2.55	-0.33	2.91	-0.86	43.22	-4.28
Johnstown.....	3.47	.....	1.49	.....	2.91	.....	2.90	.....	2.05	.....	5.75	.....	6.76	.....	3.44	.....	1.97	.....	6.87	.....	2.62	.....	3.41	.....	43.64	.....
Kane.....	2.16		0.81		1.69		1.58		2.87		7.96		5.80		5.92		2.33		2.61		2.36		1.00		37.18	
Lake Lynn.....	2.74	-0.29	0.51	-1.95	1.33	-2.16	1.94	-1.37	2.88	-0.57	5.27	+1.34	4.15	+0.47	5.41	+1.77	3.22	+0.43	2.96	+0.05	2.68	+0.49	2.02	-0.87	35.14	-2.66
Lock No. 4.....	3.37	-0.26	0.67	-2.03	2.43	-1.81	1.66	-1.81	4.93	+1.05	3.20	-1.41	5.18	+1.16	4.55	+0.73	2.8									

Monthly and Annual Mean Temperatures for the Year 1941, with Departures from the Normal

STATIONS.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
	Temperature Departure	Temperature Departure	Temperature Departure	Temperature Departure	Temperature Departure	Temperature Departure	Temperature Departure	Temperature Departure	Temperature Departure	Temperature Departure	Temperature Departure	Temperature Departure	Temperature Departure
Atlantic Drainage.													
Allentown.....	27.6 -1.7	28.2 -1.2	33.0 -5.0	55.9 +7.5	63.4 +8.0	69.6 -0.1	74.6 +0.6	70.8 -1.2	67.6 +2.6	57.6 +4.7	45.2 +2.8	36.0 +3.7	52.4 +1.2
Altoona.....	25.2 -2.5	24.1 -3.4	30.4 -7.0	54.3 +6.6	60.6 +1.8	67.4 +0.5	71.4 +0.4	67.2 -2.0	64.6 +1.5	55.8 +8.7	44.0 +3.6	34.3 +4.2	50.0 +0.7
Ardmore.....	29.8 -1.8	29.8 -2.4	34.2 -6.6	57.8 +7.8	65.1 +1.1	71.2 +0.9	74.6 +0.2	72.8 +0.5	69.8 +3.1	62.2 +7.2	49.6 +1.5	39.1 +4.7	54.7 +1.9
Arenitsville.....	29.5 -0.6	28.9 -2.7	35.2 -4.2	56.6 +7.4	63.8 +3.4	69.8 -0.7	74.8 +0.4	71.6 -0.9	68.9 +0.1	59.6 +5.6	46.0 +4.4	36.4 +3.1	53.4 +1.4
Bedford.....	28.7 -2.7	27.0 -3.8	35.0 -4.0	57.4 +7.4	61.2 +0.2	69.4 -0.4	73.9 +0.2	69.0 -2.8	66.2 +1.2	57.6 +4.2	45.0 +1.9	36.5 +3.6	52.2 +0.3
Bethlehem.....	28.8 -1.8	30.0 -1.3	34.8 -5.6	58.8 +7.6	65.2 +2.7	72.0 +1.4	75.6 +0.5	73.0 -0.3	70.6 +3.7	59.0 +3.2	46.9 +2.4	35.7 +2.0	54.2 +1.2
Bloomsburg.....	30.4 +1.8	29.2 -1.0	36.0 -2.7	58.0 +6.1	65.0 +3.3	70.0 -1.1	75.3 +0.2	71.5 -1.4	68.4 +2.9	59.6 +6.6	44.8 +3.2	36.0 +4.8	53.8 +2.0
Carlisle.....	27.8 +1.3	25.0 -2.7	32.2 -4.4	51.2 +6.5	61.1 +2.6	67.8 +1.7	72.1 +1.4	68.6 0.0	64.8 +2.5	56.2 +4.9	43.2 +2.6	35.8 +5.6	50.8 +1.8
Chambersburg.....	30.6 +0.8	29.8 -2.0	36.2 -3.6	57.8 +7.6	64.6 +3.5	71.4 +1.3	76.3 +1.5	72.0 -0.4	68.8 +2.5	59.4 +6.1	46.0 +3.6	37.0 +8.7	54.2 +2.1
Clearfield.....	25.5 -1.7	24.7 -3.6	30.6 -6.5	53.4 +5.9	59.2 +0.3	67.3 0.0	71.6 +0.2	66.7 -3.4	63.9 +0.1	54.6 +2.3	41.4 +0.5	33.8 +3.8	49.4 -0.2
Coatesville.....	25.4 -1.9	25.1 -2.1	34.2 -5.6	56.0 +5.7	63.6 +2.3	70.4 +0.2	75.6 +0.9	74.4 +1.7	69.4 +3.3	60.0 +6.0	46.6 +3.8	37.2 +4.3	53.6 +1.5
Colebrook.....	27.6 -0.5	27.7 -2.1	33.2 -5.7	55.6 +7.1	61.2 +1.8	66.5 -1.5	72.4 +0.2	69.0 -1.3	65.2 +1.3	57.4 +5.0	44.7 +3.1	35.5 +3.8	51.4 +1.0
Emporium.....	26.4 +0.2	24.6 -1.3	30.2 -5.1	52.8 +6.2	58.4 +0.5	63.1 -0.8	69.9 +1.0	64.2 -3.5	61.3 -0.2	53.6 +3.4	41.0 +1.7	33.1 +2.2	48.2 +0.2
Ephrata.....	30.3 -0.1	30.3 0.0	35.8 -4.3	57.6 +7.1	63.8 +2.1	71.0 +1.4	75.9 +1.0	73.0 +0.6	68.9 +2.7	60.2 +5.6	46.8 +3.5	38.1 +5.2	54.3 +2.1
Freeland.....	21.8 -2.4	22.8 -1.9	27.2 -5.6	52.8 +5.8	58.9 +2.3	65.8 +0.8	70.6 +1.3	66.3 -0.4	63.0 +2.9	52.8 +5.1	41.7 +4.4	29.8 +2.4	47.8 +1.5
George School.....	30.1 -1.3	29.6 -1.8	34.8 -5.7	56.8 +6.7	64.0 +2.9	70.6 +1.2	74.2 0.0	71.9 -0.2	68.8 +2.5	60.6 +5.3	47.2 +3.4	38.3 +4.7	53.9 +1.5
Gettysburg.....	31.2 +1.2	31.0 -0.4	37.2 -3.1	57.0 +6.2	64.4 +2.7	70.4 +0.2	75.7 +1.1	73.0 +0.7	70.2 +4.3	60.7 +7.3	46.7 +4.3	38.0 +5.3	54.6 +2.5
Gordon.....	26.0 -1.0	25.6 -1.7	30.0 -6.7	53.8 +6.3	58.8 +0.7	66.0 -0.1	71.7 +0.2	67.1 -1.2	64.4 +2.0	55.6 +1.9	43.6 +3.1	33.4 +3.8	49.6 +0.9
Hanover.....	31.0 -1.8	31.2 -2.0	36.6 -2.7	58.5 +6.2	65.8 +2.6	71.6 +0.2	76.0 +0.2	73.2 -0.4	70.4 +2.7	61.6 +5.4	48.4 +3.4	38.8 +4.0	55.2 +1.2
Harrisburg.....	29.7 +0.7	29.4 -0.8	36.6 -2.9	58.2 +7.3	65.4 +3.6	71.6 +1.3	76.1 +1.3	72.8 +0.2	69.2 +3.4	59.8 +6.5	46.5 +3.7	37.4 +4.7	54.4 +2.3
Hawley.....	23.4 -1.9	23.8 -2.0	27.6 -5.0	52.1 +6.9	57.4 +0.8	65.6 -0.4	71.2 +0.9	65.8 -2.2	61.9 +0.9	53.2 +3.9	41.8 +2.6	31.9 +3.2	48.0 +0.5
Holtwood.....	31.0 -0.7	30.7 -2.0	35.7 -5.5	57.4 +6.3	65.0 +2.1	71.9 +0.7	77.4 +0.4	74.3 -0.7	71.6 +2.5	62.0 +5.6	48.2 +3.1	38.2 +4.4	55.3 +1.2
Huntingdon.....	27.8 -1.4	27.0 -2.5	33.2 -5.4	55.4 +6.1	61.4 +1.1	69.0 +0.5	72.9 +0.5	69.0 -1.7	65.9 +1.3	56.4 +3.7	43.6 +1.9	35.4 +3.6	51.4 +0.6
Kylertown.....	21.0 -3.4	22.0 -4.7	27.9 -6.6	52.9 +4.8	58.0 +0.3	65.8 0.0	69.6 -0.3	65.0 -2.4	62.0 +0.6	53.4 +3.8	40.8 +2.2	32.0 +2.5	47.8 +0.2
Laurelton.....	29.4 -0.7	29.8 -1.4	34.8 -4.8	56.6 +7.4	63.8 +2.8	69.8 -0.3	74.8 +0.7	71.8 -0.6	68.0 +2.5	59.6 +6.1	44.6 +1.5	37.2 +4.0	53.4 +1.5
Lawrenceville.....	23.4 -1.9	22.8 -2.0	25.6 -9.1	50.0 +4.1	56.5 -0.9	62.8 +1.1	72.6 +2.2	65.8 -2.5	62.2 +0.5	53.0 +2.5	40.6 +1.6	30.8 +2.0	47.6 -0.2
Lebanon.....	27.7 -1.5	27.6 -2.1	33.6 -5.6	56.6 +6.4	63.6 +2.5	69.8 0.0	75.2 +1.1	71.8 -0.9	67.8 +2.1	58.8 +5.1	44.8 +2.2	36.0 +3.8	52.7 +1.1
Lewistown.....	29.6 -0.2	28.4 -1.6	35.1 -5.5	57.6 +6.1	63.8 +2.0	70.0 -1.1	74.9 +1.2	71.2 -0.9	68.0 +2.9	59.4 +5.8	45.8 +3.7	37.3 +4.3	53.4 +0.7
Lock Haven.....	28.0 -0.2	26.8 -1.6	33.0 -5.5	55.4 +6.1	61.0 -0.8	67.6 -2.2	71.4 -2.2	66.8 -4.7	64.4 -0.5	55.5 +2.0	42.0 0.0	34.6 +2.6	50.5 +1.6
Marcus Hook.....	33.3 -0.2	33.1 -2.1	39.4 -4.9	60.3 +5.9	69.2 +3.1	74.4 -0.7	78.6 +0.4	76.4 +0.1	72.2 +1.5	63.5 +4.0	50.6 +2.1	41.6 +1.8	57.6 +0.7
Mauch Chunk.....	27.0 -0.7	26.8 -1.4	31.9 -5.5	55.6 +7.2	61.0 +1.4	66.2 -1.8	70.3 -2.0	67.6 -2.4	65.3 +1.1	57.1 +4.8	41.6 -0.4	32.8 +2.0	50.2 +0.2
Montrose.....	21.6 -1.7	18.6 -4.3	22.2 -9.9	48.7 +5.7	54.4 +2.4	61.6 +1.0	69.7 +2.6	63.7 -3.1	61.4 +0.9	50.4 +1.3	40.2 +4.9	28.6 +2.0	45.0 +0.0
Mount Pocono.....	20.0 -3.4	20.3 -1.5	24.4 -7.4	49.7 +7.6	54.8 +0.9	59.8 -1.7	65.0 -0.7	60.6 -3.4	57.8 -0.5	52.0 +3.9	41.4 +5.5	27.2 +1.3	44.4 0.0
Muncy valley.....	24.1 -1.3	23.8 -2.1	27.0 -8.0	50.7 +4.2	57.2 +0.2	64.8 -0.5	69.2 -0.6	64.6 -3.3	61.8 +0.8	54.8 +4.9	43.8 +2.5	37.0 +4.6	50.9 +1.6
Neshaminy Falls.....	30.9 +1.5	29.6 -0.3	36.0 -3.2	56.2 +7.1	63.3 +3.2	70.0 +0.9	75.8 +1.2	72.8 -0.8	69.8 +2.4	60.6 +5.4	47.6 +3.6	38.0 +4.8	54.6 +2.3
New Bloomfield.....	26.9 -2.6	26.1 -3.2	32.6 -6.2	55.2 +6.1	62.2 +2.0	67.5 -2.4	72.8 +0.9	68.3 -1.4	65.7 +1.8	57.1 +5.2	45.0 +3.7	35.3 +3.4	52.0 +1.6
Palmerton.....	27.6 -1.6	28.3 -0.7	33.0 -4.2	56.3 +6.2	62.0 +2.4	69.0 -2.0	74.4 +0.9	69.5 -0.5	66.7 +1.8	57.1 +5.2	45.0 +3.7	35.3 +3.4	52.0 +1.6
Philadelphia.....	31.8 -0.8	31.8 -2.1	37.4 -3.4	59.7 +7.1	66.3 +3.4	72.1 +0.7	76.4 +0.2	73.8 +0.5	71.3 +3.8	62.8 +5.0	50.4 +4.7	39.8 +3.5	56.2 +1.8
Phila-Navy Yard.....	31.6 -1.4	31.6 -2.1	37.5 -4.5	59.5 +7.5	66.8 +4.2	73.0 +1.0	77.4 +0.9	75.4 +0.6	71.0 +2.6	62.8 +5.6	50.2 +4.2	40.0 +4.1	56.4 +2.0
Phila. Ft. Breeze.....	33.0 -1.0	33.4 -1.8	38.0 -6.1	60.7 +6.8	68.8 +3.4	73.6 +1.0	77.7 +0.2	76.0 +0.2	73.4 +3.8	63.4 +5.0	50.8 +2.9	39.7 +2.5	57.2 +1.5
Phoenixville.....	30.4 -0.4	30.6 -1.7	35.3 -5.7	57.0 +5.4	64.4 +2.4	71.6 0.0	75.9 +0.3	71.4 -2.4	69.2 +3.8	60.9 +6.0	46.4 +2.4	36.7 +4.4	54.3 +1.1
Port Clinton.....	28.0 -1.0	27.8 -1.7	32.8 -5.6	55.4 +5.9	61.9 +0.8	68.9 -0.3	73.4 -0.1	69.9 -1.2	65.7 +0.4	57.2 +3.8	44.2 +2.4	36.0 +3.9	51.8 +0.6
Quakertown.....	26.8 0.0	27.2 -1.6	32.2 -5.2	54.6 +6.2	61.0 +1.5	67.8 -0.6	72.8 +0.2	68.2 -2.1	64.6 +0.7	56.4 +4.2	44.1 +2.7	35.4 +4.0	50.9 +0.8
Reading.....	29.9 -1.3	29.8 -0.8	35.6 -5.6	58.4 +7.7	65.3 +3.3	71.2 +0.8	76.0 +0.6	73.0 +0.1	69.8 +2.7	60.2 +4.7	47.8 +4.0	37.8 +3.6	54.6 +1.8
Retreat.....	24.7 -2.6	23.6 -3.5	29.8 -8.2	52.0 +5.7	57.1 +0.7	64.7 -2.0	70.0 +0.6	66.4 -3.9	62.8 +2.4	54.7 +4.8	42.8 +3.4	34.4 +3.7	48.7 +0.5
Scranton.....	25.4 -1.2	25.6 -1.7	30.4 -5.3	55.0 +6.0	60.6 +1.2	67.8 +0.8	73.8 +2.1	68.3 -1.5	65.3 +2.4	56.4 +4.5	44.8 +4.3	34.4 +3.7	50.7 +1.3
Selinsgrove.....	27.9 -1.0	27.0 -1.5	33.3 -5.2	55.2 +6.8	62.6 +1.9	69.2 +0.1	74.5 +1.1	69.9 -1.5	66.7 +1.8	58.2 +5.3	47.2 +3.7	35.2 +3.4	52.0 +1.1
Shawmont.....	30.9 -1.1	30.4 -3.0	35.8 -6.6	57.0 +5.2	65.6 +2.5	71.9 -0.5	76.0 -0.5	73.2 -1.0					

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	47.9	100	-31	45.91	39.7	130	110	116	140
1889.....	49.8	96	-27	52.67	22.3	136	112	113	140
1890.....	50.5	101	-18	51.28	55.5	141	106	116	143
1891.....	50.6	100	-14	45.65	34.1	124	124	108	133
1892.....	49.3	103	-28	41.30	54.0	125	123	106	137
1893.....	48.7	102	-25	44.26	61.6	126	116	120	129
1894.....	51.3	103	-28	43.69	63.1	117	132	116	117
1895.....	49.4	104	-25	33.51	39.7	104	143	115	107
1896.....	50.5	101	-26	41.95	42.4	114	124	113	129
1897.....	50.0	103	-12	42.73	37.2	124	128	106	131
1898.....	51.3	107	-16	45.49	38.8	130	123	107	135
1899.....	50.0	101	-39	40.93	47.9	112	134	111	120
1900.....	51.5	104	-23	37.31	33.3	111	130	114	121
1901.....	49.4	107	-22	45.54	35.4	123	118	111	136
1902.....	49.6	100	-24	47.29	60.3	125	123	115	127
1903.....	49.6	99	-17	46.27	37.3	121	130	105	130
1904.....	47.5	99	-42	40.44	50.8	127	133	104	129
1905.....	49.4	99	-25	43.34	40.9	128	133	109	123
1906.....	50.8	99	-21	42.78	45.0	129	128	104	133
1907.....	48.5	98	-23	45.45	54.5	132	136	102	127
1908.....	50.9	104	-29	39.58	54.4	108	157	104	105
1909.....	50.2	100	-19	37.38	41.4	117	140	102	123
1910.....	49.9	99	-22	38.99	67.6	119	135	99	131
1911.....	51.1	105	-18	45.52	39.2	133	131	93	141
1912.....	49.0	100	-35	44.13	38.6	126	133	99	134
1913.....	51.7	102	-9	43.25	24.4	125	148	84	133
1914.....	49.3	101	-28	38.24	64.2	122	144	97	124
1915.....	50.1	99	-26	44.26	42.8	131	141	99	125
1916.....	49.6	103	-31	40.98	51.4	133	153	100	113
1917.....	47.3	105	-29	41.71	45.6	130	143	110	112
1918.....	50.2	108	-34	44.06	43.4	124	156	98	111
1919.....	51.1	104	-23	46.86	26.2	136	152	96	117
1920.....	49.2	99	-23	40.63	46.0	101	146	102	118
1921.....	53.1	104	-15	41.80	30.2	130	155	96	114
1922.....	51.4	100	-19	34.88	39.1	119	155	97	113
1923.....	50.4	103	-20	39.17	40.7	125	158	91	116
1924.....	48.4	102	-25	43.13	44.1	123	151	97	118
1925.....	50.3	104	-29	37.86	44.2	124	149	101	115
1926.....	48.7	105	-20	43.11	49.8	135	136	99	130
1927.....	50.9	100	-24	42.30	30.3	140	142	91	132
1928.....	50.5	99	-23	42.06	37.8	131	145	102	119
1929.....	50.5	101	-20	44.21	36.7	129	144	99	122
1930.....	51.2	108	-24	28.82	27.6	110	153	94	118
1931.....	52.8	105	-16	37.36	22.5	123	151	94	120
1932.....	51.6	105	-14	39.02	27.8	121	152	92	122
1933.....	51.7	107	-22	45.43	33.1	135	146	96	123
1934.....	50.6	107	-34	39.17	30.4	118	159	95	111
1935.....	50.2	104	-26	40.43	49.7	136	138	92	125
1936.....	50.4	111	-30	42.57	50.1	127	147	93	126
1937.....	50.7	101	-14	46.62	27.1	139	134	96	135
1938.....	51.8	100	-20	40.31	30.1	131	142	95	128
1939.....	51.7	101	-18	37.06	33.8	126	142	97	126
1940.....	48.6	105	-19	43.71	47.9	133	120	94	152
1941.....	51.3	104	-15	34.12	42.4	112	146	95	124
Period.....	50.2	111	-42	41.93	41.7	125	138	102	125

KILLING FROSTS OR FREEZING TEMPERATURE

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
Allentown.....	Apr. 9	Oct. 26	Mauch Chunk.....	May 13	Oct. 17
Altoona.....	May 13	do. 17	Meadville.....	do. 19	do. 17
Bedford.....	do. 12	do. 17	Midland.....	do. 12	do. 26
Bloomburg(near).....	do. 26	Sept. 30	Montrose.....	do. 13	do. 17
Brookville.....	do. 25	do. 13	Muncy Valley.....	do. 25	do. 17
Butler.....	do. 14	Oct. 17	New Castle.....	do. 14	do. 17
Carlisle.....	Apr. 25	do. 17	Philadelphia.....	Mar. 30	do. 30
Chambersburg.....	do. 25	do. 17	Phoenixville.....	Apr. 8	do. 17
Claysville.....	May 25	do. 24	Pittsburgh.....	Apr. 26	do. 26
Clearfield.....	do. 25	Sept. 30	Port Clinton.....	May 14	do. 17
Coatesville.....	Apr. 8	Oct. 30	Quakertown.....	do. 13	do. 17
Corry.....	May 25	Sept. 27	Reading.....	Apr. 8	Nov. 14
Coudersport.....	do. 11	do. 13	Retreat.....	May 14	Oct. 17
Emporium.....	do. 25	do. 30	Ridgway.....	May 25	Sept. 30
Erie.....	Apr. 2	Nov. 9	Seranton.....	Apr. 9	Oct. 17
Franklin.....	May 14	Oct. 17	Selinsgrove.....	May. 4	do. 26
George School.....	Apr. 8	do. 26	Somerset.....	do. 13	do. 17
Gettysburg.....	do. 9	do. 17	Springs.....	do. 14	do. 17
Gordon.....	May 19	Sept. 13	State College.....	do. 14	do. 17
Greensburg.....	do. 13	Oct. 26	Stroudsburg.....	do. 14	do. 17
Greenville.....	do. 25	Sept. 29	Towanda.....	do. 13	Oct. 17
Harrisburg.....	Apr. 8	Nov. 4	Uniontown.....	do. 12	do. 26
Hawley.....	May 19	Sept. 30	Vandergrift.....	do. 13	do. 26
Huntingdon.....	do. 13	Oct. 17	Warren.....	do. 14	Sept. 30
Indiana.....	do. 13	do. 24	Waynesburg.....	do. 13	Oct. 17
Johnstown.....	do. 13	do. 17	Wellsboro.....	do. 12	do. 17
Lancaster.....	Apr. 8	do. 17	West Chester.....	Apr. 3	do. 26
Lawrenceville.....	May 13	Sept. 13	Williamsport.....	May 13	do. 17
Lebanon.....	Apr. 8	Oct. 26	Williamstown.....	do. 3	do. 17
Lock Haven.....	May 14	do. 17	York.....	Apr. 25	do. 17

MONTHLY STATE DATA

Month	Temperature						Precipitation					
	Mean	Dep. from normal	Highest	Lowest	Highest	Lowest	Average	Dep. from normal	Greatest	Least	Greatest in 24 hrs.	Average snow
January...	27.9	-0.4	33.3	20.0	58	-15	2.62	-0.59	4.15	1.11	1.82	14.6
February...	26.5	-1.9	33.4	19.0	62	-14	1.04	-1.81	5.81	0.10	3.76	7.6
March.....	31.8	-5.7	39.4	22.2	67	-10	2.10	-1.40	3.57	0.57	2.18	18.0
April.....	55.1	+6.5	60.3	49.7	94	18	2.02	-1.42	3.55	0.75	2.09	T.
May.....	61.3	+1.7	69.2	54.8	102	21	2.25	-1.56	6.01	0.37	2.96	T.
June.....	68.6	+0.5	74.4	62.6	99	31	4.95	+0.81	11.73	2.20	4.30	0.0
July.....	73.1	+0.9	77.8	65.0	104	29	5.11	+0.84	16.11	2.19	5.00	0.0
August.....	68.8	-1.5	76.4	60.6	101	31	4.35	+0.13	9.01	2.19	4.73	0.0
September.....	66.0	+1.8	73.4	57.8	98	24	1.33	-2.02	4.10	0.20	1.94	0.0
October.....	57.0	+4.4	63.5	49.8	100	19	2.77	-0.44	6.87	0.75	1.65	T.
November.....	44.1	+2.7	50.8	38.3	83	9	2.48	-0.37	4.77	0.87	1.94	0.2
December..	35.6	+4.1	41.0	27.2	76	-8	3.10	+0.02	5.62	1.05	3.03	2.0
Year.....	51.3	+1.1	77.8	19.0	104	-15	34.12	-7.81	16.11	0.10	5.00	42.4

ERRATA FOR 1941 MONTHLY ISSUES

JANUARY: Pages 2, 4 and 5—Kane, revised date available at Harrisburg, Pa. Page 2—Lowest temperature for the State should be -15° on the 14th.

FEBRUARY: Page 8—Kylertown, total precipitation should be 0.53 inch, departure should be -1.55. Page 9—Kylertown, precipitation on the 28th should be 0.04 inch, total should be 0.53 inch.

JUNE: Page 32—Kylertown, precipitation departure should be +0.57.

JULY: Page 38—Kane, total precipitation should be 6.76 inches. Page 40—Kane, precipitation on the 30th should be 0.35 inch, total should be 6.76 inches.

OCTOBER: Page 56—Kane, mean temperature should be 50.0° , departure should be

+1.5. Page 59—Kane, mean maximum should be 61.5° , mean minimum should be 38.5° .

NOVEMBER: Page 62—Kane, mean temperature should be 38.2° , departure should be +1.7; total precipitation should be 2.62 inches; total snowfall should be 2.5 inches. Page 64—Kane, precipitation on the 2d should be 0.12 inch, total should be 2.62 inches. Page 65—Kane, mean maximum temperature should be 48.3° .

DECEMBER: Page 68—Allentown had 6 clear, 23 partly cloudy, and 2 cloudy days; Altoona had 2 clear, 11 partly cloudy, and 18 cloudy days.

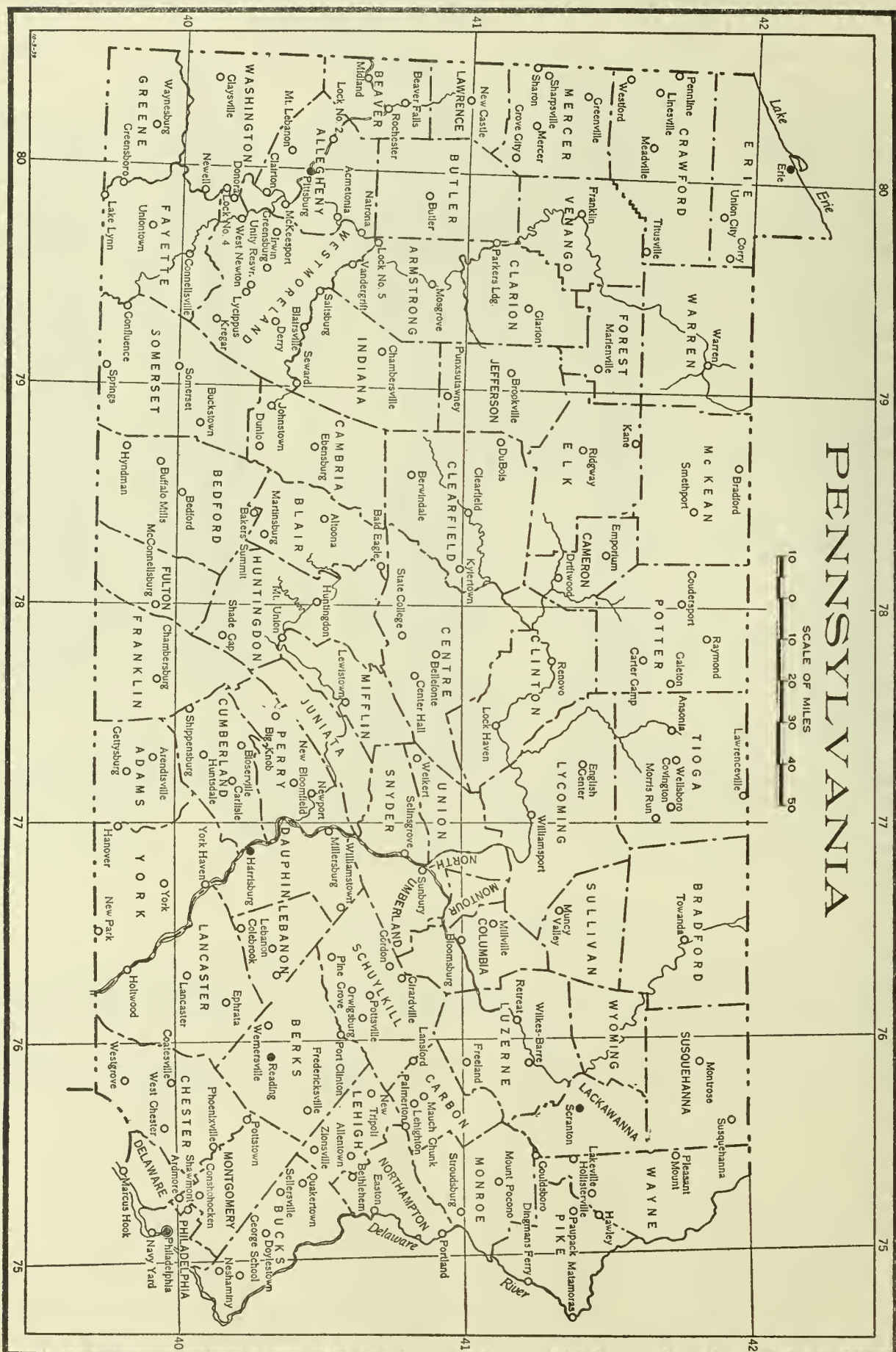
Revised daily temperatures for Kane for July, August, October and November are available at Harrisburg, Pa.

COOPERATIVE AND RAINFALL OBSERVERS

Stations	Observers	Stations	Observers	Stations	Observers
Acmetonla.....	U. S. Engineers.	Greenville.....	Thiel College.	Philadelphia.....	Navy Yard
Allentown.....	Allentown-Beth. Gas Co.	Grove City.....	Prof. H. W. Harmon.	Phila. Point Breeze.....	Navy Aerological Office.
Altoona.....	City of Altoona.	Hanover.....	Hanover Evening Sun.	Phoenixville.....	Atlantic Reining Co.
Ansonia.....	E. N. Jenckes.	Harrisburg.....	U. S. Weather Bureau.	Pine Grove.....	Phila. Sub. Water Co.
Ardmore.....	H. L. Balderston.	Hawley.....	Mrs. Della M. Pennell.	Pittsburgh.....	Penn. P. & L. Co.
Arendtsville.....	Pa. St. Col. Expt. Sta.	Hollisterville.....	Penn. P. & L. Co.	Pleasant Mount.....	U. S. Weather Bureau.
Bakers Summit.....	M. Snyder.	Holtwood.....	Penna. Water & Power Co.	Port Clinton.....	Merle Lillie.
Beaver Falls.....	U. S. Engineers.	Huntingdon.....	Prof. Paul R. Yoder.	Pottstown.....	E. E. Rarick.
Bedford.....	Charles C. Lee.	Hydnum.....	W. J. Emerick.	Pottsville.....	W. F. Achatz, Jr.
Bellefonte.....	Amer. Lime & Stone Co.	Indiana.....	Indiana St. Teachers Col.	Pottsville Water Co.	J. E. Thomas.
Berwindale.....	W. F. Sherwood.	Irwin.....	Westmoreland Water Co.	Quakertown.....	John E. Bemer.
Bethlehem.....	Lehigh University.	Johnstown.....	Robert Tross.	Reading.....	U. S. Weather Bureau.
Blairsville.....	U. S. Airway Station.	Kane.....	U. S. Airway Station.	Renovo.....	Mrs. C. W. Baird.
Bloomsburg (near).....	Benj. F. Connors.	Kyletown.....	U. S. Weather Bureau.	Retreat.....	Theo. J. Sampson.
Blossville.....	Mrs. Bessie M. Willders.	Lake Lynn.....	West Penn Power Co.	Ridgway.....	West Penn. Power Co.
Bradford.....	City Water Dept.	Lakeville.....	Penn. P. & L. Co.	Ringtown.....	Girard Water Co.
Brookville.....	Frank S. Pawcett.	Lancaster.....	Lancaster Water Bureau.	Salisbury.....	Walter B. Sullivan.
Buffalo Mills.....	Nelle R. Brown.	Lansford.....	Lehigh Nav. Coal Co.	Seranton.....	U. S. Weather Bureau.
Butler.....	The Butler Eagle.	Lawrenceville.....	Charles P. Darling.	Selinsgrove.....	Dr. George E. Fisher.
Carlisle.....	Clarence E. Miller.	Lebanon.....	Lebanon Valley Gas Co.	Seward.....	Edward L. Stutzman.
Centre Hall.....	Wm. W. Kerlin.	Lehighton.....	Paul Artz.	Sharon.....	Carnegie-III. Steel Corp.
Chambersburg.....	Wm. B. Spear.	Lewistown.....	Penna.-Edison Co.	Sharpsville.....	M. J. Kelley.
Clarion.....	Clarion River Power Co.	Lock Haven.....	Wm. R. Kelley.	Shawmont.....	Joseph J. Bryza.
Claysville.....	Geo. J. Melvin.	Lock No. 4 ^a	U. S. Engineers.	Shippensburg.....	Prof. Keith B. Allen.
Clearfield.....	Otto J. W. Eppers.	Lock No. 5 ^b	U. S. Engineers.	Smethport.....	A. J. Hilenman.
Coatesville.....	Howard L. Pyle.	Lycippus.....	Westmoreland Water Co.	Somersett.....	D. L. Grove.
Colebrook.....	William A. Rorer.	Mapleton Depot.....	Elijah C. Smith.	South Mountain.....	Pa. Dept. of Health.
Confluence.....	John L. Reed.	Marcus Hook.....	Sun Oil Co.	Springs.....	Allen E. Yoder.
Connellsville.....	Miss. Monica Atkins.	Matamoras.....	Henry Bisland.	State College.....	Penn State College.
Conshohocken.....	Russell C. Erb.	Manch Chunk.....	Henry S. Haak.	Stroudsburg.....	Metropolitan-Edison Co.
Coraopolis.....	U. S. Engineers.	McConnellsburg.....	Ruth L. Roettger.	Sunbury.....	Chas. W. Baylor.
Corry.....	Penna. Electric Co.	McKeesport.....	National Tube Co.	Susquehanna.....	Raymond J. Holleran.
Coudersport.....	Philip R. Shaw.	Meadville.....	City of Meadville.	Towanda.....	Mrs. M. Ordella Parks.
Covington.....	Dora Jelliff.	Mercer.....	U. S. Airway Station.	Uniontown.....	Wm. W. Marsteller.
Derry.....	Miss N. Dixie Wineman.	Midland.....	Perry B. Campbell.	Unity Reservoir.....	Westmoreland Water Co.
Donora.....	Donora Zinc Works.	Montrose.....	Harry S. Fancher.	Vandergrift.....	Carnegie-III. Steel Corp.
Doylestown.....	Geo. Hart.	Mosgrove.....	U. S. Engineers.	Warren.....	Harold L. Johnson.
Du Bois.....	Du Bois Water Dept.	Mt. Lebanon.....	Fred Hoffman.	Waynesburg.....	Thomas S. Knox.
East Waterford.....	U. S. Airway Station.	Mount Pocono.....	Cecil J. Hoskinson.	Wellsboro.....	M. S. Bliss.
Ebensburg.....	Robert Wasser.	Muncy Valley.....	H. O. Hacker.	Wernersville.....	Milton J. Sterner.
Emporium.....	E. M. Poorman.	Natrona.....	U. S. Engineers.	West Chester.....	Clyde T. Saylor.
Ephrata.....	Ira J. Keath.	Neshaminy Falls.....	Phila. Sub-Water Co.	West Newton.....	A. B. Adams.
Erie.....	U. S. Weather Bureau.	New Bloomfield.....	J. Earl Sheaffer.	Wilkes-Barre.....	U. S. C'm'tions Station.
Franklin.....	William K. Fuller.	New Castle.....	New Castle Water Co.	Williamsport.....	John D. McEwen.
Fredericksburg (near).....	Henry H. Rohrbach.	Newell.....	General Chemical Co.	Williamstown.....	Susa. Collieries Co.
Freeland.....	Andrew B. Evansha.	New Park.....	C. J. Allen.	York.....	York Water Co.
Galeton.....	W. Gale Lush.	Newport.....	R. W. Wright.	York Haven.....	Metropolitan-Edison Co.
George School.....	Prof. N. W. Swayne.	New Tripoli.....	F. C. Oswald.	Zionsville.....	J. H. Weinberger.
Gettysburg.....	Dr. Henry Stewart.	Orwigsburg.....	H. F. Snyder.		
Gordon.....	Miss Sallie M. Johnson.	Palmerton.....	New Jersey Zinc Co.		
Gouldsboro.....	L. H. Eilenberger.	Parkers Landing.....	Wm. C. Dean.		
Graterford.....	C. K. Knip.	Paupack.....	Penn. Power & Light Co.		
Greensboro.....	U. S. Engineers.	Penn Line.....	Miss Retta M. Crumb.		
Greensburg.....	Westmoreland Water Co.	Philadelphia.....	U. S. Weather Bureau.		

Note: Stations appearing in the precipitation table and which are not here listed are automatic gage stations under the supervision of the Federal-State Flood Forecasting Service of Pennsylvania. ^a Charleroi (Monongahela River). ^b Schenley (Allegheny River).

PENNsylvania



CLIMATOLOGICAL DATA

32

PENNSYLVANIA SECTION.

L. F. CONOVER
HARRISBURG, PA.

VOL. XLVII.

JANUARY, 1942.

No. 1.

GENERAL SUMMARY.

An average daily deficiency of 1.0° , for the State, was accumulated as all but a few stations, in the south-central and north-west portions, reported averages below station normals. The most protracted period of cold weather occurred early in the month, when temperatures were below freezing for, at least, six consecutive days. During this period, absolute minima of 0° or lower were recorded at all but six southeastern stations. Two people were frozen to death and a number of others suffered injuries, due to the intense cold. Only twice in the period of record has the lowest minimum for the State been lower than the -30° reported at Lawrenceville.

Precipitation was light but well-distributed throughout the month, and an average deficiency of 1.33 inches was accumulated. The average for the State was the fourth lowest in the period of record. Only three mountain stations reported amounts above station normals. Moderately heavy snow, constituting the greater part of the month's snowfall, was reported in the storm of the 3d-4th. The resulting road conditions caused numerous accidents. Light amounts were reported thereafter, but there was little or no snow cover at any but northern or mountain stations during the latter part of the month.

Freezing rain was reported on scattered dates, being most common on the 31st. Sleet was generally reported on various dates. Thunderstorms were reported at a number of northern stations on the 1st and 2d, and at several southwestern stations on the 31st. Dense fog was general about the 19th and, to a lesser extent, about the 25th.

G. W. S.

TEMPERATURE.

The mean temperature for the State, as determined from the reports of 74 stations, was 27.3° , which is 1.0° below the 55-year normal for January. The highest monthly mean was 35.0° at Marcus Hook, Delaware County, and the lowest was 18.7° at Gouldsboro, Wayne County. The highest temperature recorded during the month was 64° at Phoenixville, Chester County, on the 2d, at Breezewood Interchange, Bedford County, on the 18th, and at Butler, Butler County, on the 24th. The lowest during the month was -30° at Lawrenceville, Tioga County, on the 8th.

PRECIPITATION.

The average precipitation from rain, sleet, and melted snow, for the State, as determined from the observations at 76 stations, was 1.86 inches, which is 1.33 inches less than the 55-year normal for January. The greatest monthly amount was

3.61 inches at New Tripoli, Lehigh County, while the least was 0.81 inch at Ansonia, Tioga County. The greatest amount recorded in any 24 consecutive hours was 1.50 inches at New Tripoli, Lehigh County, on the 31st.

The average snowfall for the State was 7.6 inches, which is 2.8 inches below the 55-year average. The greatest total snowfall for the month was 14.2 inches at Johnstown, Cambria County. The greatest fall for any observational day was 9.0 inches at Huntingdon, Huntingdon County, on the 4th, and at Towanda, Bradford County, on the same date.

ERRATA.

DECEMBER, 1941 Page 68: Kane, total precipitation should be 3.37 inches; total snowfall should be 8.2 inches. Page 70: Kane, precipitation on 5th should be .11 inch; on 9th, .21 inch; on 29th, .02 inch; total, 3.37 inches. Page 71: Kane, minimum temperature on 5th should be 37° .

ANNUAL, 1941 Page 74: Kane, total precipitation should be 43.60 inches; total snowfall should be 58.2 inches; Kylertown, total precipitation should be 29.22 inches. Page 76: Kane, December precipitation should be 3.37 inches; total should be 43.60 inches.

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	0.1 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	23.2	61	-19	4.19	14.0	13	5	11	15
1889.....	29.4	68	-5	3.54	7.8	10	9	13	9
1890.....	37.5	77	-2	3.04	1.8	14	7	8	16
1891.....	30.5	64	-4	3.64	9.8	12	6	10	15
1892.....	26.2	66	-28	4.77	13.5	12	8	8	15
1893.....	19.0	57	-26	2.85	18.0	12	7	10	14
1894.....	32.8	65	-9	2.29	7.2	10	9	9	13
1895.....	24.2	58	-17	4.17	14.2	13	7	10	14
1896.....	27.6	60	-15	1.43	3.4	6	8	9	14
1897.....	25.6	74	-25	2.15	11.0	10	8	8	15
1898.....	30.7	67	-16	4.25	11.0	13	6	8	17
1899.....	26.6	66	-21	3.05	10.3	10	12	8	11
1900.....	29.8	63	-8	2.64	5.3	10	8	9	14
1901.....	29.1	59	-10	2.22	8.6	11	8	8	15
1902.....	25.6	58	-13	2.80	11.5	9	8	9	14
1903.....	26.9	68	-13	3.31	11.7	11	6	8	17
1904.....	20.0	66	-42	3.55	20.4	12	10	6	15
1905.....	23.8	69	-21	3.70	21.2	12	8	8	15
1906.....	35.0	85	-4	2.53	4.5	11	10	8	13
1907.....	30.0	75	-23	4.36	13.2	15	6	7	18
1908.....	28.4	59	-18	2.68	11.4	9	12	8	11
1909.....	31.2	72	-19	2.92	12.8	13	9	6	16
1910.....	27.2	56	-22	5.55	26.0	14	7	5	19
1911.....	31.6	70	-5	3.54	4.5	13	8	5	18
1912.....	18.6	57	-35	1.92	13.6	12	8	7	16
1913.....	36.5	65	3	4.95	4.5	16	9	6	16
1914.....	30.2	81	-27	3.37	11.7	11	7	7	17
1915.....	28.3	62	-26	5.56	14.7	13	10	6	15
1916.....	34.2	76	-12	2.42	1.8	12	9	8	14
1917.....	27.9	69	-18	3.60	4.2	13	11	8	12
1918.....	16.2	57	-29	3.51	25.2	12	10	8	13
1919.....	32.0	64	-15	2.53	6.2	8	14	8	9
1920.....	20.9	59	-23	2.47	10.0	10	9	8	14
1921.....	31.0	63	-13	2.58	4.4	10	12	7	12
1922.....	25.0	62	-19	2.26	16.0	8	14	7	10
1923.....	29.1	62	-17	4.26	17.6	14	6	6	19
1924.....	28.1	65	-13	4.34	3.6	8	11	8	12
1925.....	25.2	55	-29	3.53	29.4	10	11	7	13
1926.....	27.8	66	-19	2.80	10.5	11	9	9	13
1927.....	27.4	61	-24	2.90	5.7	13	9	6	16
1928.....	29.8	65	-23	2.08	6.8	9	12	8	11
1929.....	27.3	73	-20	3.37	7.6	12	9	9	13
1930.....	29.2	72	-24	2.25	8.4	12	8	8	15
1931.....	30.0	65	-12	1.46	4.4	7	12	9	10
1932.....	40.5	79	9	4.51	1.3	14	7	6	18
1933.....	37.0	71	-6	2.00	1.9	8	12	7	12
1934.....	32.2	67	-19	2.54	2.3	11	8	8	15
1935.....	27.5	72	-23	3.08	13.5	11	11	6	14
1936.....	23.6	59	-30	4.21	19.4	14	8	7	16
1937.....	36.7	71	5	6.36	4.3	16	5	7	19
1938.....	28.9	66	-20	2.51	5.1	12	8	7	16
1939.....	30.3	69	-18	3.14	15.2	13	8	7	15
1940.....	19.3	56	-16	1.41	8.4	10	9	7	15
1941.....	27.9	58	-10	2.62	14.6	13	7	6	18
1942.....	27.3	64	-30	1.86	7.6	8	11	7	13
Period.....	28.3	85	-42	3.19	10.4	11	9	8	14

Climatological Data for January, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches						No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy			
Atlantic Drainage																					
Allentown.....	Lehigh.....	254	30	27.2	-2.1	56	1	-6	11	1.79	-1.80	0.63	4	7.3	6	8	11	12	sw.	Allentown-Bethlehem Gas Co.	
Altoona (near).....	Blair.....	1,615	55	27.0	-0.5	57	18	-13	8	1.94	-1.06	0.61	4	9.8	7	16	4	11	w.	City of Altoona.	
Bedford.....	Bedford.....	1,064	10	30.0	-1.3	62	23	-13	8	1.47	-1.60	0.65	4	10.1	4	10	3	18	nw.	Charles C. Lee.	
Bethlehem.....	Northampton.....	364	56	28.0	-2.6	55	24	-1	11	2.46	-0.99	0.76	31	6.6	10	17	3	11	nw.	Lehigh University.	
Bloomsburg (near).....	Columbia.....	610	16	22.4	.....	50	2	-25	8†	1.14	.....	0.69	4	7.5	5	12	8	11	nw.	Benjamin F. Conner.	
Burnt Cabins (near).....	Huntingdon.....	990	1	28.4†	.....	56 ^a	19	-14 ^a	8	1.68	.....	0.50	4†	8.7	7	14	5	12	w.	Penna. Turnpike Comm.	
Carlisle.....	Cumberland.....	473	73	29.0	+0.4	62	24	-10	7	2.43	-0.75	0.65	31	7.0	7	15	4	12	sw.	Clarence E. Miller.	
Chambersburg.....	Franklin.....	600	45	30.8	+1.0	63	24	-1	8	2.25	-0.89	0.65	4	10.4	9	12	7	12	sw.	William B. Spear.	
Coatesville.....	Chester.....	431	55	29.2	-1.1	55	2	-2	11	2.56	-1.40	0.73	4	4.0	9	15	3	13	ne.	Howard L. Pyle.	
Emporium.....	Cameron.....	1,033	57	22.8 ^b	-3.4	54 ^b	18	-21 ^a	8	1.37	-2.29	0.53	2	7.0	6	14	5	12	w.	E. M. Poorman.	
Ephrata.....	Lancaster.....	365	45	29.2	-1.2	58	24	-10	11	2.56	-0.51	1.05	31	6.2	7	14	3	14	n.	Ira J. Keath.	
Freeland.....	Luzerne.....	1,970	49	22.6	-1.6	45	24	-9	8	1.59	-1.65	0.76	2	8.7	11	5	6	20	w.	Andrew B. Evansha.	
Gettysburg.....	Adams.....	553	69	30.8	+0.8	60	24	-3	9	1.76	-1.57	0.72	4	6.0	6	12	8	11	s.	Dr. Henry Stewart.	
Gordon.....	Schuylkill.....	900	38	25.0	-2.0	53	24	-18	9	2.64	-1.13	0.78	31	8.5	8	14	6	11	w.	Miss Sallie M. Johnson.	
Hanover.....	York.....	600	38	31.2	-1.6	60	24†	1	8	2.18	-0.97	0.80	31	5.3	9	14	4	13	s.	Evening Sun.	
Harrisburg Airport.....	York.....	351	73	29.1	+0.1	59	24	-3	9	2.37	-0.72	0.97	3-4	7.5	8	11	6	14	w.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	24	26.0 ^d	+0.7	52 ^e	2	-20 ^d	9†	1.56	-1.08	0.64	4	10.1	11	19	3	9	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	27	30.2	-1.5	57	24	1	11	1.45	-1.71	0.69	4	6.0	7	15	4	12	nw.	Penna. Water & Power Co.	
Huntingdon.....	Huntingdon.....	700	55	29.0	+0.1	59	18	-18	8	1.71	-1.49	0.64	4	10.5	6	10	11	10	w.	Prof. Paul R. Yoder.	
Kylertown.....	Clearfield.....	1,700	13	23.8	-3.0	54	18	-13	8	1.44	-1.01	0.55	3-4	7.1	10	4	6	21	w.	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	255	55	28.2	-1.9	58	24	-15	11	2.64	-0.55	1.03	31	8.6	8	13	10	8	nw.	Lancaster-Water Bureau.	
Lawrenceville.....	Tioga.....	996	45	23.7	-1.6	54	18	-30	8	1.20	-0.77	0.60	4	10.0	8	4	12	15	n.	Carlos P. Darling.	
Lebanon.....	Lebanon.....	469	58	27.6	-1.6	56	24	-5	9	1.57	-1.77	0.66	4	6.7	5	19	6	6	sw.	Lebanon Valley Gas Co.	
Lewistown.....	Mifflin.....	467	4	31.0	.....	57	24	-6	9	1.40	.....	0.48	4	6.0	5	12	2	17	.....	Penna. Edison Co.	
Lock Haven.....	Clinton.....	557	52	25.4	-2.8	54	24	-15	8	1.13	-2.01	0.63	4	8.0	6	11	10	4	ne.	William R. Kelley.	
Marcus Hook.....	Delaware.....	12	16	35.0	-0.3	62	19	8	8	2.63	-0.89	0.95	19	2.5	6	19	5	7	sw.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,176	37	19.9	-3.4	47	1†	-12	8	1.35	-1.10	0.54	4	11.6	8	16	3	11	uw.	Harry S. Fancher.	
Mt. Pocono.....	Mourne.....	1,720	36	21.3	-2.1	50	24	-13	8	3.13	+0.16	1.23	2	9.0	7	11	5	15	w.	Cecil J. Hoskinson.	
Neshaminy Falls.....	Bucks.....	80	53	28.6	-0.8	58	2†	-11	11	2.49	-0.87	0.69	19	4.8	8	16	2	13	w.	Phila.-Suburban Water Co.	
Palmerton.....	Carbon.....	455	24	27.2	-2.0	57	24	-9	9†	2.79	+0.42	1.16	31	6.6	8	12	6	13	sw.	New Jersey Zinc Co.	
Philadelphia.....	Philadelphia.....	26	71	32.5	-0.1	59	2	6	8	2.34	-0.96	0.72	3-4	5.3	10	10	9	12	n.	U. S. Weather Bureau.	
Phoenixville.....	Chester.....	100	32	30.0	-0.8	64	2	-11	11	2.19	-1.44	0.84	4	5.0	8	16	11	4	uw.	Phila.-Suburban Water Co.	
Port Clinton.....	Schuylkill.....	407	4	27.2	-1.8	54	24	-10	9†	3.32	-0.20	1.06	31	8.0	8	16	8	7	n.	Earl E. Rarick.	
Quakertown.....	Bucks.....	480	57	26.1	-0.7	55	2	-17	11	2.84	-0.98	0.88	19	6.5	7	12	3	16	w.	John E. Berner.	
Reading.....	Berks.....	273	72	30.2	-1.0	57	24	2	8	2.49	-1.08	0.83	31	7.3	11	10	8	13	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	48	26.4	-0.2	53	2	-8	8	1.86	-1.67	0.49	3-4	7.5	8	7	12	12	sw.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	476	52	28.0	-0.9	58	24	-16	8†	1.94	-1.08	0.70	4	7.1	9	10	8	13	nw.	Dr. George E. Fisher.	
State College.....	Centre.....	1,217	58	26.6	-0.3	54	18	-8	8	2.09	-0.99	0.57	4	9.9	8	5	12	14	w.	Penna. State College.	
Stroudsburg.....	Monroe.....	440	28	24.2	-3.0	56	1†	-14	11	2.74	-0.64	1.37	2	8.8	7	11	4	16	nw.	Metropolitan Edison Co.	
Towanda.....	Bradford.....	754	48	24.6	-1.2	53	24	-24	8	1.35	-0.79	0.46	4	11.4	9	9	8	14	nw.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,319	72	22.0	-2.2	54	24	-24	8	1.27	-1.00	0.44	4	10.6	8	9	11	11	w.	M. S. Bliss.	
West Chester.....	Chester.....	440	93	29.6	-1.0	56	2	0	11	2.74	-1.08	0.75	4	8.0	9	16	5	10	sw.	Clyde T. Saylor.	
Wilkes-Barre.....	Luzerne.....	544	4	24.8	.....	52	2†	-14	8	1.58	-0.81	0.51	31	8.8	5	9	6	16	sw.	U. S. Communication Sta.	
Williamsport.....	Lycoming.....	550	56	26.8	-0.9	53	24	-10	8	1.25	-1.71	0.56	4	10.5	9	14	10	7	w.	John D. McEwen.	
Williamstown.....	Dauphin.....	1,275	27	27.1	-1.6	57	25	-5	8	1.79	-1.27	0.55	4	9.5	7	14	5	12	uw.	Susquehanna Collieries.	
York.....	York.....	400	54	30.4	+0.1	61	24	-8	11	2.08	-0.99	0.73	4	7.0	8	15	8	8	w.	York Water Co.	
Division mean.....				27.4	-0.9	64	2	-30	8	2.00	-1.19	1.37	2	7.8	8	12	7	12	w.		
Ohio Drainage																					
Bradford.....	Mc Kean.....	1,680	1	23.2	.....	51	18	-23	8	1.40	-2.22	0.37	4	8.4	11	11	8	12	w.	City Water Dept.	
Brookville.....	Jefferson.....	1,240	52	22.8	-1.9	53	18	-26	9	1.93	-1.30	0.47	4	10.1	15	6	5	20	.....	Frank S. Fawcett.	
Butler.....	Butler.....	1,077	29	28.5 ^b	-0.9	64 ^b	24	-19 ^a	8	1.41	-1.82	0.35	4	5.2	9	12	10	9	.....	Butler Eagle.	
Claysville.....	Washington.....	1,150	37	29.6	-1.5	60	18	-17	8	1.33	-1.92	0.45	4	5.0	5	.....	.....	.....	.....	George J. Melvin.	
Corry.....	Erie.....	1,430	29	22.7	-2.7	50	25	-11	8	1.71	-2.41	0.55	2	10.4	11	.....	.....	.....	.....	Penna. Electric Co.	
Coudersport.....	Potter.....	1,653	15	22.0	-2.7	52	18	-26	8	1.88	-0.92	0.45	2	10.2	13	10	2	19	nw.	Philip R. Shaw.	
Derry.....	Westmoreland.....	1,150	45	31.2	+0.6	61	18	-11	8	1.46	-2.42	0.47	19	5.2	7	7	11	13	w.	Miss N. Dixie Wineman.	
Ebensburg.....	Cambria.....	2,090	25	24.8	-1.2	54	18	-13	8	2.03	-1.56	0.55	4	8.0	7	14	8	9	w.	Robert Wasser.	
Edinboro.....	Erie.....	1,220	1	.....	.....	.....	.....	.....	.....	2.06	.....	0.60	19	8.0	8	8	3	20	nw.	Wallace J. Snyder.	
Franklin.....	Venango.....	987	68	25.9	-0.6	54	18†	-7	8	0.98	-2.44	0.37	4	7.0	5	7	10	14	s.	William K. Fuller.	
Greensburg.....	Westmoreland.....	1,160	33	30.4	-0.7	60	18	-12	8	1.85	-1.58	0.52	4	7.1	10	5	12	14	sw.	Westmoreland Water Co.	
Grove City.....	Mercer.....	1,350	45	28.2	+0.7	55	25	-10	8	1.26	-1.95	0.40	4	6.0	10	10	6	15	w.	Prof. H. W. Harmon.	
Indiana.....	Indiana.....	1,300	41	28.7	-0.6	61	27	-12	8	2.38	-1.38	0.71	19	6.2	11	11	8	12	sw.	Indiana State Teachers Col.	
Johnstown.....	Cambria.....	1,650	60	27.6	-2.7	58	18	-9	8	2.29	-2.03	0.64	4	14.2	14	13	8	10	sw.	Robert Tross.	
Kane.....	McKean.....	1,938	10	21.1	-2.7	50	18	-24	8	2.16	-0										

Daily Precipitation for January, 1942

Stations	Counties	Day of month																															Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ATLANTIC DRAINAGE																																		
Delaware Basin																																		
UPPER DELAWARE																																		
Dingmans Ferry ²	Pike	.77		.51	T						.08									.19	.20							T	.14	T	.10		1.99	
Hawley ²	Wayne	.26		.61	.05						.03									.27	.11		T					.03	.05	.08	.03		.01	1.66
Hollisterville ²	Wayne	T	.39	.69	.06						.01			T	.01	.02				.29	.07	T	T					.05	T	.03	.07		1.69	
Matamoras ²	Pike	.77		.59							.07									.08	.45							T	.17	T	.08		2.21	
Mount Pocono	Monroe	.60	1.23	.60						T	T									.30	.10									.10		.20	3.13	
Paupack ²	Pike	T	.44	.45	.03						.02									.25	.12							.02	.06	.02	.08		1.49	
Pleasant Mount ¹	Wayne	.29	.25	.03	.46															.22								.04				.81	2.10	
Stroudsburg ²	Monroe	1.37		.60							.05					.05				.45	.19	T						.03	T	T	T		2.74	
Tanners Falls ¹	Wayne	.20	.25	.07	.54															.30								.02				.90	2.28	
LEHIGH																																		
Allentown ²	Lehigh	.46	T	.63	T						.06									.27	.35		T					.02	T		T		1.79	
Bethlehem ¹	Northampton	.36	.20	*	.53						.02									.52	.03	.02						T		.02		.76	2.46	
Blakeslee Corners ¹	Monroe	.49	.40	.13	.38												*	*		.30									.08			.99	2.77	
Gouldsboro ²	Wayne		.66		.54	.04					.02						.02			.30	.13	T	T	T			T	.05	T	.06		1.82		
Lansford ²	Carbon		1.21	.60							T									.32	.12			.03						.05		2.34		
Mauch Chunk	Carbon	.09	1.00	.70							.05						T			.57								T		.03		.97	3.41	
Mervinsburg ²	Monroe		1.09	*	*															.12												2.36		
New Tripoli ¹	Lehigh	.19	.54	.63							.02						T			.71	T	.02						T		T		1.50	3.61	
Palmerton ¹	Carbon	.42	.30	.04	.27						.01						T			.57	T	T						T		.02		1.16	2.79	
Zionsville	Lehigh	.45	.06		.75	*					T									* 1.20		.02						T		.02		.55	3.05	
SCHUYLKILL																																		
Conshohocken ¹	Montgomery	.32	.13		.63						.66									.53		T							.14		.62	2.45		
Fredericksburg ²	Berks		.41		.63	T					.03									.35	.35		.01					.01	.04		.03		1.86	
Freeland ²	Luzerne	T	.76	T	*	.52					*	.02								.22	.03	T						*	.02	*	.02		1.59	
Gratersford	Montgomery	.06	.23		.57						.04									.63	.11	T										.84	2.50	
Phoenixville ²	Chester		.26	.01	.84	.03					.11									.21	.38		T					T		.35		2.19		
Port Clinton	Schuylkill	.14	.66		.70						T									.65	.03	.05						T		.03		1.06	3.32	
Pottstown ²	Montgomery		.95		.70						T									.37	.05		T					T		.02		T	2.09	
Pottsville ²	Schuylkill		.14	.18	.19	.50					.04									.51	.02	.01						T		.02		.83	2.49	
Reading ¹	Berks		.29		.71						.04									*	.42		.02					*	.05		.05	.04	1.57	
Wernersville ²	Berks		.29		.71						.04												.02										1.57	
LOWER DELAWARE																																		
Coatesville	Chester	.10	.15		.73						.05									.72	*	.08									.63	2.56		
Doylestown	Bucks	T	.25		.62						.08									.47	.05	T								.18		.52	2.17	
Marcus Hook ²	Delaware		.40		.58						.05									.95	.32		T							.33		T	2.63	
Neshaminy Falls ¹	Bucks	.02	.39		.43						.09									.69		.02								.34		.51	2.49	
Philadelphia City Office ¹	Philadelphia	.23	.14	.04	.68					T	.08	T								.43	.06	.01						T		.30		.40	2.34	
Airport Station ⁵	Philadelphia	.19	.12	.16	.36						.03	.02								.71	.05	T						T		.26		.59	2.49	
Franklin Institute	Philadelphia				.61																													
Shawmont ¹	Philadelphia	.03	.53		.64						.13									.71	.14	.03								.38		.36	2.95	
Quakertown	Bucks	.07	.36		.85						.04									.88	T	T						T		.11		.53	2.84	
West Chester	Chester	.06	.27		.75						.10									.54	.17	.02						T		.33		.50	2.74	
West Grove ²	Chester		.26		.61						.03									.30	.50			.02					T		.35		2.07	
Susquehanna Basin																																		
CHEMUNG																																		
Covington ²	Tioga		.40		.50															.05	.20	T						T	.10	.15	.10		1.50	
Lawrenceville	Tioga	.05			.60			.05												.05	.05	T						T	.15		.05		.20	1.20
NORTH BRANCH																																		
Bloomsburg (nr.) ²	Columbia		.18		.65															.18	T								.02			.07	1.14	
Canton ²	Bradford	T	.38	T	.50	.04											.01			.15	.11	T							.08	T	*	.09		1.36
Danville ²	Montour		.33		.70	T														.19	.05								.05	.02	.02		.01	1.37
Kellogg Mt. Tower ²	Bradford	T	.31		.35	.03			T		T									.09	.05	T	T	T					.06	.03	.04	.01		1.00
Millville ¹	Columbia	.32		.23	.03												.03	.01		.26	.03								.05	.10		.75	1.81	
Montrose ²	Susquehanna		.43		.51	.03			T	T		T					.02			.58	.16	T		T					.02	.02	T		1.35	
Pikes Creek ¹	Luzerne	.18	.25	.14	.50												.05			.25			T	T	T				.12		.09		1.00	2.58
Scranton ¹	Lackawanna	.03	.15	.15	.34					T	T	T		T	T	T	T		T	.18	T	T		T				T	.01	.06	T	.42	1.36	
Susquehanna ²	Susquehanna		.39		.35	.02			T		T		T	T	T	T	.07			.10	.10	T	.01	T	T			T	.03			1.07	1.67	
Towanda	Bradford	.04	.16	T	.46					T	T	T	T	T	T	T				.13	.06	T	T	T			.02		.07	T	.03		.38	1.35
Tunkhannock ¹	Wyoming	.35	.20	.13	.48															.10									.05			1.03	2.34	
Wilkes-Barre ⁵	Luzerne	.06	.12	.16	.48						T						T			.22	T	T						T	.01		.02		.51	1.58
WEST BRANCH																																		
Ansonia ²	Tioga		.12		.27															.10	.24	T	T						.04		.04		0.81	
Bald Eagle ¹	Blair	.45	.19	.17	.36															.30									.05			.30	1.73	
Bellefonte ²	Centre		.43		.65															.13	.05							T				.11	1.37	
Berwinstale ²	Clearfield	T	.35	T	.48	T							T	T	T					.12	.35	*	T					T	.04	T	T	.04	1.38	
Carter Camp ¹	Potter	.32	.19	.05	.35															.34										.04		.27	1.56	
Cedar Run ²	Lycoming		.48		.39	.09														.12	.30	.04							.09		.04		1.58	
Clearfield ²	Clearfield	T	.68	T	.58	T					T						T			.12	.45	T	.01							.03	.10	.03	.22	2.01
Driftwood ¹	Cameron	.36	.20	.06	.35															.51									.03	T	.02		.83	1.83
Du Bois (near)	Clearfield	.12	.31		.29			T		T	.03	T	T				T			.36	.33	.02						T		.12		.25	1.83	
Dushore ¹	Sullivan	.14	.48	.09	.44															.24	.02								.05			.53	1.99	
Eagles Mere ²	Sullivan	1.10		.65	.06												T			.15	.09								.08	T	*	.14	2.27	
Emporium ²	Cameron		.53		.38	.10														.29														

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Stations	Counties	Day of month																															Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Susquehanna Basin (continued)																																			
JUNIATA																																			
Altoona(near).....	Blair.....	.34	.29		.61						.02	T.									.30	T.						.07		T.			.31	1.94	
Bedford ²	Bedford.....		.52		.65							T.	T.								.20	T.						T.	T.	T.		.10	1.47		
Buffalo Mills ²	Bedford.....		.45		.56																.13		T.									.27	1.41		
Breezewood Intchg.....	Bedford.....	.19	.16		.46													T.			.26		T.					.01		.10		.31	1.49		
Burnt Cabins(nr.) ¹	Huntingdon.....	.25	.15		.50																.14	.02						T.		.12		.50	1.68		
Charter Oak(nr.) ¹	Huntingdon.....	.54	.15	.27	.44																.16							T.		.02		.35	1.93		
East Waterford ²	Perry.....	.31	.31		.55	T.						T.									.12	.06	T.					.03	T.	.04	.05		T.	1.71	
Huntingdon.....	Huntingdon.....	.32	.02		.64																.24							.02					.47	1.40	
Lewistown ²	Mifflin.....		.40		.48	T.															.23	.27						T.			.02		T.	1.40	
Loop Mt. Tower ²	Huntingdon.....		.65		.53																.02	.20						T.	T.	.02	.05		.02	1.42	
Mapleton Depot ²	Huntingdon.....		.38		.60	.01															.18	.20						T.	T.	.03			.02	1.42	
Martinsburg ¹	Blair.....	.35	.07	.31	.29																.24							.04		.07			.47	1.84	
Newport ²	Perry.....		.44		.60	.03				T.		T.									.13	.09		T.				.03			.08		T.	1.40	
Saxton ²	Bedford.....	T.	.39	T.								T.	T.					T.	T.		.18	.06	T.	T.				T.	.08	.13	.04		.06	1.64	
Shade Gap ¹	Huntingdon.....	T.	*	*	*	.76							T.	T.				*	*	*	.20							.02		.14		.55	1.67		
LWR SUSQUEHANNA																																			
Arendtsville ²	Adams.....	T.	.38		.76																.21	.07						.02		T.	.04		.10	1.58	
Bloserville.....	Cumberland.....	.45	.24		.80							T.	T.								.35	T.	T.					.01		.10		.59	2.54		
Blue Mt. Intchg.....	Franklin.....	.19	T.		.53																.26							.01	T.	.18		.42	1.69		
Carlisle.....	Cumberland.....	.24	.18		.64																.48							.02		.22		.65	2.43		
Ephrata.....	Lancaster.....	.03	.13		.72						.03										.53	T.						.07		T.		1.05	2.56		
Glen Rock ¹	York.....	.22	.15		.40						.05						*	*	*	*	*	*	.24					.10		.05		.71	1.92		
Gordon.....	Schuylkill.....	*	.72		.68																*	.36						.07		.03		.78	2.64		
Hanover.....	York.....	.13	.32		.52						.03										.28	.06	T.					.03		.01		.80	2.18		
Harrisburg Arpt ¹	York.....	.27	.06	.45	.52						T.					T.					.30	T.	T.					.09	T.	.04		.64	2.87		
Holtwood ²	Lancaster.....		.40		.54	T.					.04										.42	.24		T.				T.	T.		.02		1.45		
Huntsdale ²	Cumberland.....		.40		.54	T.															.38	.14						.05		.02	.10	T.	1.63		
Lancaster.....	Lancaster.....	T.	.09		.83						.05										.49	.06	T.					.06		.03		1.03	2.64		
Lebanon ²	Lebanon.....		.39		.66	T.					T.										.37	.05	T.					.10			T.		1.57		
Manada Gap.....	Dauphin.....	.18	.53		.76																.31	.04	T.					.07		.05		.70	2.64		
Middletown ²	Dauphin.....	T.	.47		.35	T.					T.										.24	.07		T.				.02	T.	T.	.05	T.	1.20		
Millersburg ¹	Dauphin.....	.33	.12	.23	.39					.01	.01										.23							.03			.06		.62	2.03	
New Park.....	York.....	.15	.07		.48						.03										.56							T.		.04		.89	2.22		
Penn Nursery ²	Centre.....																																		
Peters Mt. Tower ²	Dauphin.....	T.	.35		.60	.06															.24	.16		T.				T.	T.	.25	T.	T.	1.66		
Pine Grove ²	Schuylkill.....		.15		.45																.09	.05		.12				.06	T.				2.12		
Ringtown ²	Schuylkill.....		.15		.77	.02																.31	.08					.05	.04		.15		1.44		
Selinsgrove.....	Snyder.....	*	.30		.70	.02															*							.06				.45	1.94		
Shippensburg.....	Cumberland.....	.25	.17		.42						T.										.68	.01						.03	.05	.06		.55	2.22		
Sunbury ²	Northumberland.....	T.	.41	T.	.83	.02		T.													.21	.12	T.	.03				.02	.04	T.	.06	T.	1.74		
Williamstown.....	Dauphin.....	.17	.30		.55																.31		.03					T.		.04		.39	1.79		
Woodward ²	Centre.....																				.38							.05							
York.....	York.....	.12	.14		.73						.03										.24	.10						.09			.02		.61	2.08	
York Haven ²	York.....		.37		.42						T.																	.09				T.	1.22		
Potomac Basin																																			
Chambersburg ²	Franklin.....	T.	.50		.65	.01															.50	.20						.02			.05	.06	.26	2.25	
Gettysburg.....	Adams.....	.19	.20		.72																.31	T.						T.		.03		.31	1.76		
Hewitt(near) ¹	Bedford.....	.38	.13	.46	.26																.30							T.		.20		.22	1.95		
Hyndman ²	Bedford.....		.64		.29																.04	T.						T.	T.	T.	T.	T.	0.97		
McConnellsburg ²	Fulton.....	T.	.37		.52																.21	.08						T.		.10	T.		.10	1.38	
Mercersburg.....	Franklin.....																																		
South Mt. San't'm ²	Franklin.....	T.	.33		.72	T.															.32	.23						.03	T.	.07	.06	.09	1.85		
GULF DRAINAGE																																			
Ohio Basin																																			
ALLEGHENY																																			
Acmetonia ²	Allegheny.....		.38	T.	.42	.01					T.		T.	T.							.22	.40	T.						.01		.15		.01	.20	1.65
Allens Mills ¹	Jefferson.....	.47	.15	.18	.27				.06	.02							.09	.01			.42							.01		.15		.40			
Blairsville ²	Indiana.....	.01	.52	T.	.46	T.	.01	T.	.02	T.	T.	T.	T.	T.				T.	T.		.20	.53	.01	T.				T.	.02	.03	.01	.12	1.94		
Bradford.....	McKean.....	.04	.30	T.	.37				.02	T.		T.	.03	T.				.02	.05		.27	.05	.05					T.		.25		.20	1.40		
Brookville ²	Jefferson.....	.05	.40	.02	.47	T.			.04				.03	.02				T.	.02		.15	.32	.04					T.		.06	.16	.12	1.93		
Buckstown ¹	Somerset.....	.80	.11	.25	.16																.26	.04						.02			.10	.34			
Butler.....	Butler.....	.27	.10	T.	.35						.01			.01							.25	.06									.10	.26	1.41		
Cherry Grove ¹	Warren.....	.20	.03	.06	.34	.06						T.	T.		.03					.09	.20	.07	.10						.06	.12	.44	1.78			
Clarion ²	Clarion.....	.06	.32	.01	.49	.06					T.	T.	T.	.04				.01			.18	.12	.02		.01			.01	.02	.13	T.	.08	1.56		
Corry ²	Erie.....	T.	.55	T.	.30	.03			.08		.06	T.	.01	.07				.03			.41	T.	.12								.12	.05	1.71		
Coudersport.....	Potter.....	.14	.45	T.	.41	T.			.04		T.	T.	.04	.04				.02	.03		.33	.06	.05					T.		.06		.21	1.88		
Crooked Crk. Dam ¹	Armstrong.....																																		
Derry.....	Westmoreland.....	.27	.06		.42						.04										.45	.03						T.		T.		.17			

Daily Precipitation for January, 1942—Continued from page 4

Stations	Counties	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALLEGHENY (continued)																																		
Saltsburg ²	Indiana	.03	.48	T.	.39	T.	T.	T.			T.	T.	T.	T.		T.	T.	T.		.02	.58	T.	T.					T.	T.	T.	T.		.15	1.65
Seward ²	Indiana	.02	.42		.32															.11	.33	.03						T.	.01		.08		.04	1.36
Smithport ²	McKean	T.	.30	T.	.56	.01							.02	T.		.03	.10			.02	.08	.05							T.	.10			T.	1.27
Somerset	Somerset	.22	.21		.71					T.	T.	T.	T.							.38	.02	T.									.15		.25	1.94
Stroudtown ¹	Indiana																																	
Tionesta Dam ¹	Forest																																	
Titusville ¹	Crawford	.40	.05	.05	.26	.01														.03	.18					.06		.02					.38	\$
Union City ¹	Erie	.44		.05	.28										.02					.24	.22												.27	1.52
Vandergrift ³	Westmoreland	*	*	.47	.24							T.				T.	T.			.50		T.											.21	1.42
Warren ²	Warren	.01	.43	.01	.35	.02		.05			.02	T.	T.		.06	T.		.03	T.		.22	T.	.09	T.				T.	T.	.01		T.	1.30	
Youngsville ¹	Warren	.31	.14	.06	.34		.01	.07	.02	.02	.01	.04	.08		.05	.03				.07	.21	.03	.04									.40	1.93	
MONOCAHELA																																		
Confluence ²	Somerset	T.	.59	T.	.68	T.	T.		T.		T.	T.	T.							.23	.11	T.	T.						T.	.16	.06		.14	1.97
Connellsville ²	Fayette	T.	.43		.45	.01					.01									.25	.20	T.						.01	T.	.15	.11		.14	1.76
Donora ¹	Washington	.42	.04	T.	.35					T.	T.	T.	T.		T.	T.				.48	T.									.12		.23	1.64	
Greensboro ²	Greene	T.	.54	T.	.58	T.					T.	T.	T.	T.		T.				.20	.17	T.	T.						T.	.17	.13		.12	1.91
Greensburg	Westmoreland	.25	.32	T.	.52					.01	.02	T.	T.	.02						.45	.04	T.						T.	T.	.06			.16	1.85
Irwin	Westmoreland	.29	.11	T.	.38					T.	T.	.01	T.	T.						.53	.11	.01						T.		T.			.22	1.66
Meyersdale ²	Somerset		.46		.48	T.					T.	T.								.17	.11	T.								.01	.07		.07	1.37
Murrysville ¹	Westmoreland																																	
Newell ⁴	Fayette	*	*	*	.60					T.	T.	T.	T.		T.					*	.10	.03								.20			.05	0.98
Pittsburgh Arpt. ¹	Allegheny	.36	.01	.19	.22	T.		T.		T.	.01	T.	T.	T.	T.	T.	T.			.54	T.	T.				.01		.01					.25	1.54
Springs	Somerset	.31	.19	.12	.50	T.		T.			.03	T.	T.							.43	.06	T.							.16				.35	2.15
Uniontown	Fayette	.24	.20		.79					T.	T.									.45	.06	T.							.31				.21	2.26
Waynesburg	Greene	.33	.21		.44					T.					T.					.31									.19				.28	1.76
BEAVER																																		
Beaver Falls ²	Beaver	.01	.20	T.	.35	T.					.02	T.	T.	.02						.20	.40	.02	T.						T.		.10	T.	.17	1.49
Greenville	Mercer	.14	.13		.23					T.	.03		T.	.02						.49						.03	T.					T.	.30	1.37
Grove City	Mercer	.27	T.	T.	.40						.04	.01	.02	.01						.27	.02									.01			.21	1.26
Mercer ⁵	Mercer																																	
New Castle	Lawrence	.33		T.	.34	T.		T.	.01	.01	.01	.01	.01	.01						.24	.06	T.								.06			.25	1.34
Penn Line ²	Crawford	.03	.30	T.	.17	T.		.05	T.		.05	T.	.02	.05						.57	.01	.02								.05			.25	1.52
Pymatuning Dam ²	Crawford	.14	.51	T.	.22					T.		.02	T.	T.						.65	.01												.26	1.81
Sharou ²	Mercer	.07	.37	.01	.20						.05	T.			.01					.36	.06								T.				.20	1.33
OHIO																																		
Claysville ²	Washington		.27		.45						T.									.21	.15							T.				.25	1.33	
Coraopolis ²	Allegheny	T.	.29	T.	.43	T.					T.		T.							.24	.35	T.								T.	.01		.17	1.49
Midland ²	Beaver	.04	.31	.01	.29	.02		T.			.01	T.	T.	.01						.17	.16									.04			.22	1.28
Mt. Lebanon	Allegheny	.25	T.	.17	.30					T.	T.	T.	T.	T.						T.	.56	T.								.03			.32	1.63
Washington ¹	Washington	.37		.32	.13															.02	.42									.08			.23	1.57
LAKE DRAINAGE																																		
DRAINAGE																																		
Erie ¹	Erie	.07	T.	.05	.18	.19	.10	.16	T.	.07	.02	.04	.03							.16	.23	T.							T.			T.	.34	1.64
Raymond ¹	Potter	.09	.48	.04	.30										.03					.03	.26	.08					.10				.03		.22	\$

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ⁵ Precipitation for period, 1:30 a. m. of date on which amount is recorded to 1:30 a. m. following date. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. § Incomplete or missing. ‡ Daily amounts inconsistent. T. (trace), when precipitation is less than .01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind §			Relative Humidity			Percentage of sunshine	
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.		7:30 p. m.
Erie.....	30.04	30.54	16	29.21	1	10.2	29	sw.	2	87	52	83	11
Harrisburg.....	30.04	30.57	17	29.34	31	7.9	32	nw.	16	74	52	63	52
Kylertown.....	30.06	30.53	17	29.34	31	14.3	46	sw.	2	81	67	74	
Philadelphia.....	30.08	30.61	17	29.32	31	13.8	44	s.	31	77	58	68	48
Pittsburgh.....	30.07	30.51	16	29.27	31	12.0	43	sw.	2	77	60	61	45
Reading.....	30.09	30.60	17	29.33	31	11.7	44	w.	2	66	51	55	50
Seranton.....	30.08	30.57	17	29.30	2	7.2	25	nw.	15	78	61†	55†	45

* For any five-minute period.
† Local noon

§ Corrected to true velocities
‡ 4:00 p. m.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	2.9	4.0	4	2.3	9†	18
Easton	Delaware	2.8	5.1	4	1.5	12	22
Lehigh	Lehigh	4.0	5.7	15	3.3	14†	9
Reading	Schuylkill	3.5	4.7	20	2.9	18	13
Wilkes-Barre	N. Br. Susquehanna	4.0	6.2	5	2.6	11	22
Williamsport	W. Br. Susquehanna	2.8	4.1	3†	1.6	19	20
Newport	Juniata	4.6	6.5	22	3.4	7	22
Harrisburg	Susquehanna	4.4	5.0	25	3.8	11†	17
Shenley, Lock No. 7	Allegheny	13.8	16.1	20	12.3	10	24
Sutersville	Youghiogheny	4.7	10.4	20	3.9	31	20
Charleroi (nr.), Lock No. 4	Monongahela	12.8	15.6	21	11.3	14	30
Pittsburgh	Ohio	*	*	*	*	*	25
Midland, Dam No. 7	Ohio	*	13.8	21	*	*	30

* Pool stage

† On other dates also

Daily Temperatures for January, 1942

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Allentown ²	Maximum....	56	51	47	36	32	25	16	15	21	20	26	36	33	43	38	29	36	46	46	42	40	42	49	55	41	34	38	38	35	32	51	37.1
	Minimum....	24	32	25	25	25	2	2	1	-4	5	-6	-2	7	13	14	22	8	8	25	38	34	21	24	33	24	30	31	32	16	12	13	17.2
Altoona(near).....	Maximum....	36	45	30	30	26	16	14	10	20	17	21	38	39	48	42	36	40	57	49	44	33	37	50	53	46	37	48	43	35	34	33	35.7
	Minimum....	27	24	21	23	7	-7	-1	-13	-9	7	0	9	23	11	23	20	7	27	40	29	28	25	30	37	32	31	32	31	11	16	26	18.3
Arendtsville.....	Maximum....	32	47	34	39	32	24	17	15	18	20	27	32	40	42	44	38	40	50	48	47	41	43	54	60	48	40	46	40	37	34	40	37.7
	Minimum....	29	30	21	27	24	-2	2	-7	-4	10	-3	6	22	14	29	26	9	25	37	35	32	28	30	36	36	33	33	33	19	31	21.3	
Bedford.....	Maximum....	48	46	30	35	24	17	17	10	21	20	25	40	40	52	45	38	41	59	57	48	34	40	62	57	55	42	51	47	35	34	35	38.9
	Minimum....	32	28	25	24	16	0	7	-13	-7	9	0	8	27	26	26	25	9	29	41	32	30	25	31	41	28	34	30	32	17	19	27	21.2
Bethlehem ³	Maximum....	46	54	34	31	31	14	14	13	18	18	26	32	34	42	42	37	36	48	47	42	38	40	48	55	38	37	37	37	30	30	49	35.4
	Minimum....	33	29	25	26	13	7	6	1	3	2	-1	11	22	15	28	22	11	26	38	35	27	23	32	38	33	30	30	24	17	13	23	20.7
Bloomsburg(near)...	Maximum....	37	50	33	33	30	18	15	10	21	15	24	31	34	44	41	35	35	42	41	40	36	40	49	47	43	40	38	37	29	32	32	33.9
	Minimum....	30	28	17	25	6	-20	-15	-25	-25	-11	-22	-5	4	0	23	10	-2	12	31	31	24	20	20	27	26	30	29	26	13	10	25	11.0
Blue Mt. Interchange	Maximum....	34	48	38	34	40	30	20	19	24	23	32	38	43	43	42	40	47	49	48	38	44	56	60	57	42	44	44	36	36	34	39.5	
	Minimum....	32	32	24	26	23	3	0	-2	-5	12	-5	8	25	14	28	27	10	27	36	36	32	27	32	44	35	33	32	34	16	15	24	21.8
Bradford.....	Maximum....	35	43	25	25	28	14	13	8	16	15	17	29	31	38	38	29	46	51	49	38	30	34	47	48	43	36	36	30	39	39	32.7	
	Minimum....	31	21	12	21	7	-14	-1	-23	-7	-12	-8	13	17	12	17	9	-7	25	33	27	24	19	29	34	27	33	31	24	4	12	17	13.8
Breezewood Intchg...	Maximum....	42	47	44	34	32	21	20	14	22	20	28	38	40	...	56	52	44	64	61	50	38	44	56	60	58	40	50	50	36	38	41.2 ^a	
	Minimum....	32	30	24	32	22	0	-6	-10	0	10	0	12	30	...	22	28	12	32	31	24	32	26	30	36	30	34	32	34	22	20	30	21.7 ^a
Brookville ²	Maximum....	47	30	29	31	18	15	10	9	20	15	20	33	34	41	33	27	47	53	45	33	31	33	49	50	37	46	35	33	42	44	33.5	
	Minimum....	23	24	21	22	10	-10	-17	-23	-26	-1	-1	2	6	5	14	14	-4	6	34	29	28	20	24	22	23	32	31	31	6	13	24	12.1
Burnt Cabins(near)...	Maximum....	35	46	38	37	32	22	17	16	22	18	28	34	39	48	45	40	40	54	56	52	38	44	54	...	55	42	50	42	34	32	36	38.2 ^a
	Minimum....	26	28	21	24	14	-6	4	-14	-6	12	0	6	25	18	26	24	6	26	44	31	29	21	26	...	27	30	30	31	12	12	26	18.5 ^a
Butler.....	Maximum....	...	26	29	...	16	16	7	16	18	20	31	35	42	36	36	44	50	56	47	33	41	47	64	60	58	57	51	43	49	50	38.5 ^c	
	Minimum....	33	23	23	...	10	-10	1	-19	-5	5	6	5	24	16	14	20	7	30	33	30	29	23	30	34	32	34	32	14	24	24	18.5 ^a	
Carlisle.....	Maximum....	45	47	38	38	34	22	13	22	20	18	27	31	38	46	45	40	40	45	45	43	42	46	57	62	55	41	45	40	36	34	35	38.4
	Minimum....	30	30	22	27	21	2	-10	-7	-9	10	-6	2	23	17	27	26	6	23	33	35	32	26	30	33	28	32	30	32	17	16	25	19.5
Chambersburg.....	Maximum....	36	47	39	38	35	19	19	13	19	23	28	33	40	45	45	40	40	52	52	48	40	48	57	63	46	41	45	39	39	38	38.8	
	Minimum....	31	29	25	27	18	5	8	-1	0	12	5	9	28	15	30	26	13	27	36	37	33	26	32	33	33	33	33	32	18	21	32	22.8
Claysville.....	Maximum....	49	51	30	29	26	17	15	8	20	17	20	87	37	44	41	38	51	60	54	41	36	36	54	54	56	45	51	45	33	43	53	38.4
	Minimum....	35	24	23	24	13	-10	1	-17	-1	6	4	9	26	21	25	25	17	41	41	31	30	24	31	30	35	33	32	33	15	18	22	20.8
Coatesville.....	Maximum....	42	55	36	35	34	22	21	14	23	21	25	34	35	41	42	39	31	51	49	46	40	40	49	54	43	37	40	36	35	31	52	37.3
	Minimum....	32	32	26	28	22	5	5	1	2	5	-2	5	23	11	31	21	9	26	40	34	30	21	29	35	30	31	30	33	19	15	21	21.0
Corry ²	Maximum....	43	29	27	27	15	13	6	7	15	13	20	31	34	36	30	27	45	47	39	30	33	41	47	49	50	44	36	32	31	40	44	31.3
	Minimum....	25	22	15	12	6	-7	-4	-11	-9	-4	-2	7	17	20	16	7	-1	16	35	26	23	15	23	28	30	30	29	29	9	12	24	14.1
Coudersport.....	Maximum....	35	44	27	31	25	10	11	9	19	16	17	31	34	39	38	30	42	52	50	39	31	37	46	50	40	37	38	34	30	37	36	32.7
	Minimum....	27	20	14	20	5	-18	-4	-26	-10	-5	-5	9	15	9	15	5	-10	18	33	27	21	12	24	30	30	28	20	1	6	20	11.3	
Derry.....	Maximum....	44	50	33	33	29	15	15	9	23	20	37	37	46	41	38	52	61	57	54	40	36	51	55	50	51	55	50	38	53	53	40.5	
	Minimum....	35	25	24	25	7	-6	2	-11	-1	8	-4	16	26	24	25	22	11	42	42	40	30	26	32	36	31	34	33	32	14	23	32	21.8
Ebensburg.....	Maximum....	35	43	30	30	24	13	10	6	20	15	20	36	36	43	40	35	48	54	50	41	30	37	47	51	45	38	52	43	32	35	38	34.7
	Minimum....	28	20	17	20	0	-8	-3	-13	-9	1	-5	8	9	16	19	15	1	29	36	25	23	19	26	32	31	29	27	25	7	13	25	14.9
Edinboro.....	Maximum....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Emporium ²	Maximum....	46	35	...	32	19	14	9	10	20	18	19	34	36	42	33	27	40	54	39	37	32	38	45	46	49	36	38	36	32	38	...	39.0 ^b
	Minimum....	24	31	...	26	14	-13	-12	-21	-19	-1	-4	4	16	7	8	14	-3	2	22	31	27	20	21	30	28	26	31	29	9	13	21	12.7 ^a
Ephrata.....	Maximum....	39	53	38	36	35	24	18	18	23	23	28	35	41	46	42	39	40	46	49	43	43	44	52	58	44	37	42	37	36	45	50	38.5
	Minimum....	33	32	25	28	23	4	-5	-1	-6	-9	-10	0	25	11	28	21	7	22	35	35	32	22	27	34	30	32	31	33	18	16	25	19.9
Erie ³	Maximum....	47	48	28	28	23	18	15	8	18	14	25	34	28	40	34	30	48	51	42	33	33	35	49	41	36	35	31	33	27	49	49	33.3
	Minimum....	31	23	21	23	7	0	2	2	4	9	12	19	25	25	23	15	15	41	32	30	29	28	32	32	31	30	32	20	18	27	28	21.6
Franklin ²	Maximum....	48	31	27	29	16	17	7	10	18	14	21	34	35	42	35	25	47	54	44	32	34	41	50	51	54	37	44	35	35	46	45	34.1
	Minimum....	28	30	20	20	9	-3	-3	-7	-5	4	2	12	16	25	21	16	4	36	30	29	27	27	30	30	30	33	33	13	13	26	17.7	
Freeland.....	Maximum....	31																															

Daily Temperatures for January, 1942—Continued from page 6

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Midland.....	Maximum.....	45	54	32	32	26	18	9	21	19	23	37	37	42	42	47	57	52	42	36	39	50	52	52	16	40	15	33	50	52	38.8		
Montrose ²	Minimum.....	32	24	22	26	5	-6	0	-10	-2	7	3	11	24	18	24	21	41	31	42	30	21	30	30	21	30	30	15	26	36	20.6		
Mt. Lebanon.....	Maximum.....	47	43	30	29	23	10	10	7	14	9	18	28	26	37	28	13	30	43	43	34	28	31	47	47	37	26	32	29	42	28	39	
Mt. Pocono.....	Minimum.....	20	28	20	20	16	-5	-4	-12	-11	-7	-9	1	3	10	17	9	-1	1	28	36	22	19	19	23	29	26	25	29	4	3	11.6	
Neshaminy Falls.....	Maximum.....	51	51	29	29	19	15	14	7	21	15	20	36	37	41	37	29	52	60	51	35	37	41	50	50	58	40	51	41	31	51	54	
New Castle.....	Minimum.....	32	24	22	16	0	-8	-2	13	-1	3	3	13	25	25	25	20	17	43	34	31	27	25	31	34	38	32	32	23	15	26	30	
Newell ³	Maximum.....	34	36	30	33	26	12	5	6	12	10	16	15	33	35	35	34	35	45	43	43	35	49	42	50	46	33	33	34	31	25	36	
Palmerton ⁵	Minimum.....	15	12	15	15	10	-10	-5	-13	-10	-6	-10	-2	15	18	18	10	10	25	40	35	25	26	34	36	26	20	21	15	5	1	13	
Philadelphia City Office ³	Maximum.....	39	56	37	31	36	27	20	15	23	24	22	35	36	45	45	38	35	58	55	48	39	39	49	55	40	45	36	37	35	31	51	
Airport Station ⁵	Minimum.....	29	36	32	26	27	2	2	1	-3	11	-11	1	21	9	22	23	8	22	35	31	31	17	19	25	31	31	34	30	18	16	17	
Franklin Institute.....	Maximum.....	44	52	31	30	27	20	17	11	21	21	23	35	38	46	41	38	52	59	57	44	34	42	52	55	57	52	36	48	38	48	39	
Shawmont.....	Minimum.....	34	26	23	24	7	-5	2	10	-1	-3	3	14	18	17	24	21	12	36	39	31	39	25	31	27	25	33	32	32	14	26	35	
Phoenixville.....	Maximum.....	55	55	34	32	29	18	22	8	26	23	21	39	45	47	16	38	55	61	49	31	35	39	51	56	58	42	51	45	3	53	59	
Pittsburgh City Office ³	Minimum.....	38	29	25	17	-3	5	6	-10	3	11	5	19	23	39	27	17	15	41	34	33	27	27	32	33	30	31	34	25	22	21	8	
Pittsburgh Arpt Sta. ³	Maximum.....	41	54	40	35	34	16	17	22	20	25	31	38	44	41	39	35	50	54	46	41	35	51	57	43	37	38	38	50	50	47	37.3	
Port Clinton.....	Minimum.....	32	30	25	28	10	-1	-3	-7	-9	-7	-9	1	18	13	30	13	5	25	37	37	21	21	23	34	3	31	21	14	10	25	17.1	
Pymatuning Dam ²	Maximum.....	52	59	40	36	35	19	22	16	25	23	27	37	38	48	43	40	37	55	46	40	41	49	58	45	39	41	39	36	30	53	39.5	
Quakertown.....	Minimum.....	35	32	30	31	19	11	6	11	12	11	12	19	27	25	33	21	17	32	44	36	32	30	32	30	32	38	38	28	20	18	27	
Reading ³	Maximum.....	53	59	39	35	35	18	22	15	25	23	28	38	37	48	43	39	37	56	57	45	44	41	49	57	42	36	46	38	32	51	39.2	
Ridgway ²	Minimum.....	31	30	28	30	15	9	12	5	8	3	3	8	21	19	32	16	13	26	33	33	26	22	28	31	32	32	32	26	18	16	28	
Scranton ³	Maximum.....	40	58	38	35	35	29	22	17	23	21	28	36	35	46	45	38	36	54	47	38	40	50	55	47	38	40	39	36	30	52	38.9	
Selingsgrove.....	Minimum.....	30	36	28	31	28	9	2	3	14	-3	6	27	18	31	25	11	21	37	38	31	20	21	28	29	31	20	21	28	19	14	21	
Sharon.....	Maximum.....	41	64	41	37	36	31	23	17	24	26	31	39	40	46	43	40	38	56	54	46	43	45	52	59	49	42	43	39	34	52	41.0	
Somerset.....	Minimum.....	28	31	26	29	27	3	7	1	-2	12	-11	-4	25	7	29	24	5	20	39	38	32	16	29	31	24	32	30	19	8	14	19.1	
State College ³	Maximum.....	51	54	30	30	21	17	10	22	18	22	33	37	45	40	38	54	60	52	35	36	40	52	55	58	43	52	42	34	53	53	39.3	
Stroudsburg ²	Minimum.....	38	26	25	24	6	0	3	-2	4	7	6	17	28	26	27	25	22	46	35	34	34	30	34	39	38	35	35	25	18	31	30	
Towanda.....	Maximum.....	52	50	29	29	20	15	15	7	19	14	26	36	44	43	37	35	52	59	51	34	34	38	49	54	56	41	53	42	31	50	21.1	
Uniontown.....	Minimum.....	36	23	23	20	2	-5	-1	-9	0	3	4	13	26	25	24	20	18	42	34	29	30	27	31	36	39	32	32	23	15	27	28	
Vaughan ³	Maximum.....	37	53	35	37	34	27	16	12	20	22	27	35	40	43	41	33	47	47	47	47	47	47	47	48	54	51	38	37	38	28	46	36.3
Waynesburg.....	Minimum.....	27	30	22	27	18	0	-3	-5	-10	13	-15	0	23	14	27	21	3	19	34	36	30	18	22	33	28	32	32	30	18	14	22	
West Chester.....	Maximum.....	41	22	22	36	8	12	6	10	12	10	18	28	36	32	18	36	48	48	38	28	28	36	46	46	50	32	36	30	20	44	46	32.2
Williamsport.....	Minimum.....	24	20	16	18	6	-6	-6	-10	-10	-10	-9	-2	16	17	18	12	8	12	36	26	26	26	24	28	28	30	28	30	10	10	26	15.8
York.....	Maximum.....	36	55	34	34	35	25	16	12	19	23	30	35	40	41	37	32	47	49	42	36	47	49	42	46	46	46	36	37	38	34	26	50
	Minimum.....	29	31	22	26	23	1	-1	-3	-12	7	-17	-3	25	1	27	19	-1	21	34	29	16	20	36	25	29	29	28	15	9	17	16.6	
	Maximum.....	51	56	36	36	34	16	14	22	22	26	33	36	45	42	39	38	49	51	43	39	42	52	57	45	36	41	39	33	32	53	37.9	
	Minimum.....	46	31	27	29	13	6	9	2	3	6	5	9	25	16	30	20	11	31	37	36	31	25	32	39	34	32	32	25	20	17	22.4	
	Maximum.....	34	35	28	29	16	15	8	8	19	14	13	32	34	40	31	26	47	53	46	32	39	49	51	48	36	39	34	34	43	43	33.1	
	Minimum.....	24	32	19	19	13	-15	-23	-23	-2	7	9	16	9	19	14	-5	-3	46	29	25	24	26	29	29	34	31	29	5	4	20	12.9	
	Maximum.....	46	53	33	32	29	12	11	10	20	18	22	32	33	44	41	35	35	42	49	44	35	38	48	50	43	35	36	28	35	43	34.5	
	Minimum.....	33	30	24	26	11	4	-8	2	0	4	10	17	15	21	11	6	28	39	33	25	20	27	35	32	30	32	19	11	9	25	18.3	
	Maximum.....	55	52	39	35	35	19	13	14	16	20	21	30	37	39	44	37	38	50	46	43	38	45	54	58	44	43	40	39	36	32	38	37.1
	Minimum.....	40	30	28	26	16	-8	2	-16	-16	9	-7	5	15	19	25	20	9	25	35	34	29	25	25	35	31	32	32	16	16	26	18.8	
	Maximum.....	47	47	28	28	16	17	14	5	16	16	21	34	33	45	44	38	51	56	46	42	32	36	51	52	56	54	47	42	36	51	49	37.7
	Minimum.....	31	23	22	14	1	-6	-4	-10	-2	-2	6	12	20	24	25	16	14	43	34	32	30	25	32	33	35	34	34	22	16	30	29.1	
	Maximum.....	36	36	32	30	24	8	7	2	19	19	36	38	42	38	32	42	47	47	47	39	30	31	45	45	45	45	45	45	40	41	33.6	
	Minimum.....	32	22	18	24	6	-20	2	-28	-6	5	-2	10	23	10	23	20	4	80	36	27	26	28	28	35	28	33	31	30	13	17	29	17.2
	Maximum.....	48	44	34	26	22	10	11	4	19	14	16	37	34	42	37	32	48	52	44	32	29	33	44	52	47	38	51	40	31	38	40	33.5
	Minimum.....	28	19	19	22	1	-8	-1	-12	-13	-1	-3	10	15	13	23	10	4	31	21	23	22	20	24	35	30	30	27	13	10	24	15.4	
	Maximum.....	34	44	30	31	24	12	14	8	19	17	20	37	35	46	35	34	38	54	47	41	33	39	49	51	40	36	42	34	31	31	36	33.7
	Minimum.....	30	21	23	24	4	-6	-1	-8	0	3	2	14	22	23	24	15	10	31	41	30	29	27	28	37	31	34	33	19	13	18	27	19.4
	Maximum.....	56	51	35	35	35	17	18	21	23	25</																						

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER

HARRISBURG, PA.

Vol. XLVII.

FEBRUARY, 1942

No. 2.

GENERAL SUMMARY.

The mean temperature was again below normal and the average daily deficiency for the year is now 1.7°. The absolute maximum for the State was the third lowest reported in the period of record for February. Although the month was somewhat colder than January, absolute minima were well above those reported in January, no temperatures of 0° or below being reported in the east excepting for a few northern mountain stations. However, a man was frozen to death in York County on the 2d and several injuries were caused by low temperatures early in the month. Only three stations in the southeastern part of the State reported averages in excess of their station normals.

Precipitation was nearly normal, but the accumulated deficiency for the year rose to 1.55 inches. The western part of the State reported more frequent precipitation than did the eastern portion, and monthly totals there were frequently above station normals. Greatest amounts of snow fell in storms from the 4th to 8th. During these storms, two deaths resulted in Indiana County, when men lost their way and froze to death. Three deaths and six injuries, due to hazardous road conditions, were reported in the Philadelphia area on the 5th. On the 8th, highways in mountain and northern sections were reported to be blocked and, in Susquehanna and Wyoming Counties, communication and electric services were disrupted. Most of the snow-cover disappeared during heavy rains reported about the 17th. As a result of light falls of snow thereafter, most stations, from the mountains north and west, had some snow-cover as the month ended.

High winds were reported throughout the month, but velocities were greatest during the early days. Sleet and glaze were reported by many stations on scattered dates. Dense fog was reported on various dates. At Connellsville, on the 26th, a plane crashed into a mountain during a period of fog and poor visibility. The pilot was killed.

G. W. S.

TEMPERATURE.

The mean temperature for the State, as determined from the reports of 75 stations, was 25.9°, which is 2.4° below the 55-year normal for February. The highest monthly mean was 34.3° at Marcus Hook, Delaware County, and the lowest was 16.9° at Kane, McKean County. Extremes of temperature ranged from a maximum of 58° at Marcus Hook, Delaware County, on the 17th, and at Waynesburg, Greene County, on the 16th, to a minimum of -21° at Kane, McKean County, on the 3d.

PRECIPITATION.

The average precipitation from rain, sleet, and melted snow, for the State, as deduced from the observations at 76 stations, was 2.62 inches, which is 0.22 inch below the 55-year normal for February. The greatest monthly amount was 4.60 inches at Lycippus, Westmoreland County, and the least was 0.75 inch at Hyndman, Bedford County. The greatest amount for any 24 consecutive hours was 1.73 inches at Towanda, Bradford County, on the 7th.

The average snowfall for the State was 9.4 inches, which is 1.3 inches below the 55-year average. The greatest total snowfall for the month was 34.2 inches at Johnstown, Cambria County. The greatest fall for any observational day was 10.4 inches at Montrose, Bradford County, on the 8th.

ERRATA.

JANUARY, 1942 Page 2: temperature departure at Waynesburg should be -2.3°. Page 4: precipitation at Middletown on the 31st should be .75 inch; total should be 1.95 inches. Page 6: mean maximum at Hawley should be 37.2°, and the mean minimum should be 14.9°.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation		No of days:			
	Mean	Highest	Lowest	Average	Average Snowfall	0.1 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	28.4	63	-31	2.50	7.2	9	7	11	11
1889.....	23.0	60	-27	1.96	8.7	9	7	9	12
1890.....	37.0	79	0	4.32	5.6	11	6	8	14
1891.....	34.8	70	-7	4.61	5.6	12	6	8	14
1892.....	31.6	62	-18	1.75	6.3	9	7	7	15
1893.....	27.3	60	-16	5.92	26.4	14	6	8	14
1894.....	27.6	64	-24	3.53	22.7	11	8	9	11
1895.....	20.2	60	-26	1.22	13.2	6	10	10	8
1896.....	29.4	65	-21	4.90	10.5	11	9	7	13
1897.....	30.6	67	-14	3.28	10.3	9	7	8	13
1898.....	29.4	72	-16	2.23	6.1	9	8	8	12
1899.....	22.7	67	-39	4.05	23.6	12	8	7	13
1900.....	27.1	81	-17	4.22	7.0	11	8	6	14
1901.....	21.7	57	-22	0.96	7.9	8	10	9	9
1902.....	23.9	64	-24	3.99	14.3	10	9	7	12
1903.....	30.5	68	-17	4.49	10.8	10	10	7	11
1904.....	21.8	68	-27	2.41	6.8	11	10	7	12
1905.....	20.8	59	-25	1.70	9.7	8	10	8	10
1906.....	28.0	79	-21	1.70	6.8	7	12	7	9
1907.....	22.8	56	-20	1.91	15.2	8	12	7	9
1908.....	24.8	64	-29	4.65	23.6	11	10	7	12
1909.....	35.8	73	-9	4.84	4.0	14	6	7	15
1910.....	26.6	65	-22	3.59	15.0	11	9	7	12
1911.....	31.0	66	-8	2.27	11.1	10	7	6	15
1912.....	23.7	69	-27	2.20	6.5	8	11	8	10
1913.....	27.4	67	-9	1.84	5.7	9	12	5	11
1914.....	21.8	65	-27	2.78	23.5	10	11	6	11
1915.....	33.3	73	-9	3.90	2.0	9	9	5	14
1916.....	25.7	67	-22	3.08	14.3	12	8	7	14
1917.....	25.6	68	-29	1.46	8.0	10	9	9	10
1918.....	28.2	69	-34	2.46	2.9	9	10	8	10
1919.....	32.0	66	-7	2.23	4.7	11	12	6	10
1920.....	25.6	62	-20	2.44	18.3	11	9	8	12
1921.....	32.8	76	-15	2.59	15.4	10	8	8	12
1922.....	33.0	74	-19	1.99	7.7	10	9	9	10
1923.....	24.6	58	-20	2.16	11.7	12	8	8	12
1924.....	26.9	70	-25	2.94	16.3	10	11	7	11
1925.....	35.6	71	-11	2.16	2.1	8	11	7	10
1926.....	28.7	65	-13	4.06	23.3	12	7	6	15
1927.....	35.0	69	-8	3.48	16.5	13	7	8	13
1928.....	30.3	65	-11	3.42	6.7	11	10	7	12
1929.....	28.0	69	-20	2.87	11.7	9	10	8	10
1930.....	35.1	80	-18	2.69	3.9	11	9	6	13
1931.....	31.9	66	-16	1.98	5.2	9	11	5	12
1932.....	35.3	83	-8	1.64	2.9	10	10	8	11
1933.....	31.3	68	-15	2.80	9.4	10	12	7	9
1934.....	18.1	59	-34	1.31	14.4	7	13	7	8
1935.....	28.9	66	-26	2.67	14.4	12	8	7	13
1936.....	21.5	69	-27	2.33	12.3	9	11	7	11
1937.....	31.4	77	-12	2.32	6.5	10	9	8	11
1938.....	34.1	74	-4	2.85	3.9	12	8	6	14
1939.....	33.7	74	-10	4.45	6.2	13	10	6	12
1940.....	29.4	63	-19	3.16	19.3	13	9	5	15
1941.....	26.5	62	-14	1.04	7.6	8	10	7	11
1942.....	25.9	58	-21	2.62	9.4	10	10	6	12
Period.....	28.3	83	-39	2.84	10.7	10	9	7	12

Climatological Data for February, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches						No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear	Pt. cloudy	Cloudy			
Atlantic Drainage																					
Allentown.....	Lehigh.....	254	30	28.8	-0.6	50	17	7	3†	2.86	-0.73	0.85	17	0.5	6	10	9	9	nw.	Allentown-Bethlehem Gas Co.	
Altoona(near).....	Blair.....	1,615	55	24.0	-3.5	45	17	-6	3	3.12	+0.79	0.93	5	18.0	10	14	4	10	w.	City of Altoona.	
Bedford.....	Bedford.....	1,064	10	27.6	-2.9	50	15	1	3	1.71	-0.25	0.65	7	6.0	5	13	3	12	nw.	Charles C. Lee.	
Bethlehem.....	Northampton.....	364	56	28.0	-3.3	48	17	6	3	1.96	-1.15	0.92	7	2.8	6	18	3	7	nw.	Lehigh University.	
Bloomsburg(near).....	Columbia.....	610	16	26.2	.....	44	17	4	3	2.69	.....	0.94	7	6.0	9	12	4	12	nw.	Benjamin F. Conner.	
Burnt Cabins(near).....	Huntingdon.....	990	1	27.6	.....	52	15	0	3	1.38	.....	0.70	5	8.5	6	15	5	8	nw.	Penna. Turnpike Comm.	
Carlisle.....	Cumberland.....	473	73	30.0	-0.2	52	15	5	3	2.38	-0.87	1.25	7	6.0	7	16	3	9	nw.	Clarence E. Miller.	
Chambersburg.....	Franklin.....	600	45	30.2	-1.6	55	15	7	3	2.92	+0.26	1.35	7	6.2	8	12	9	7	uw.	William B. Spear.	
Coatesville.....	Chester.....	431	55	29.6	-0.9	50	17	7	3	2.44	-1.33	1.13	7	2.0	4	8	12	nw.	Howard L. Pyle.		
Eagles Mere.....	Sullivan.....	2,020	1	.....	.....	.....	.....	.....	.....	3.31	.....	0.79	1	14.0	9	4	9	15	ne.	Carl E. Bigger.	
Emporium.....	Cameron.....	1,033	57	21.2	-4.7	44	16	-3	3†	2.63	-0.19	0.75	7	7.0	11	14	2	12	w.	E. M. Poorman.	
Ephrata.....	Lancaster.....	365	45	30.8	+0.5	49	17†	7	3	2.37	-0.58	0.86	7	4.5	4	13	3	12	n.	Ira J. Keath.	
Freeland.....	Luzerne.....	1,970	49	19.2	-5.5	43	1	-10	9	2.60	-0.91	0.78	1	6.4	10	1	5	22	w.	Andrew B. Evansha.	
Gettysburg.....	Adams.....	553	69	31.0	-0.4	52	15	7	3	2.84	+0.08	1.43	7	6.0	6	16	5	7	w.	Dr. Henry Stewart.	
Gordon.....	Schuylkill.....	900	38	26.3	-1.0	44	1†	3	3†	2.04	-1.23	0.94	7	5.0	4	12	4	12	w.	Miss Sallie M. Johnson.	
Hanover.....	York.....	600	38	31.1	-2.1	54	15	7	3	2.31	-0.50	1.11	7	5.0	5	15	5	8	n.	Evening Sun.	
Harrisburg Airport.....	York.....	351	73	29.8	-0.4	49	17	7	3	2.93	-0.03	1.52	6-7	4.9	5	8	8	12	nw.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	24	23.3	-2.5	44	17	-3	3	2.79	-0.03	0.97	8	5.4	10	14	8	6	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	27	31.0	-1.7	52	17	10	3	2.32	-0.40	0.81	7	2.0	6	13	7	8	nw.	Penna. Water & Power Co.	
Huntingdon.....	Huntingdon.....	700	55	27.9	-1.6	48	15	4	3	2.10	-0.59	0.90	7	7.5	6	9	8	11	nw.	Prof. Paul R. Yoder.	
Kylertown.....	Clearfield.....	1,700	13	20.8	-5.1	46	17	-3	3	2.71	+0.58	1.23	16	10.8	14	4	6	18	w.	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	255	55	30.6	-0.4	50	1	7	3	2.08	-0.59	0.87	7	3.8	4	15	2	11	nw.	Lancaster Water Bureau.	
Lawrenceville.....	Tioga.....	996	45	21.9	-2.9	43	17	-7	20	2.15	+0.32	1.35	7	14.0	8	5	9	14	n.	Carlos P. Darling.	
Lebanon.....	Lebanon.....	469	58	28.0	-1.7	49	17	6	3	3.11	+0.01	1.08	7	2.5	6	18	5	5	sw.	Lebanon Valley Gas Co.	
Lewistown.....	Mifflin.....	467	4	29.6	.....	46	6	6	3	1.79	.....	0.76	7	6.5	9	8	3	17	.....	Penna. Edison Co.	
Lock Haven.....	Clinton.....	557	52	25.5	-2.9	44	17	4	3†	2.16	-0.38	0.70	7	8.5	10	9	6	13	e.	William R. Kelley.	
Marcus Hook.....	Delaware.....	12	16	34.3	-0.9	58	17	12	3	2.20	-0.35	1.27	17	1.2	4	19	2	7	w.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,176	37	17.7	-5.2	43	17	-7	3†	3.27	+1.19	1.12	8	26.6	14	10	8	nw.	Harry S. Fancher.		
Mt. Pocono.....	Monroe.....	1,720	36	20.8	-1.0	43	8†	-8	21	.....	.....	.....	.....	8.5	.....	15	1	12	nw.	Cecil J. Hoskinson.	
Neshaminy Falls.....	Bucks.....	80	53	31.4	+1.5	53	17	8	3†	2.34	-0.58	1.07	17	0.8	4	17	5	6	w.	Phila-Suburban Water Co.	
Palmerton.....	Carbon.....	455	24	29.0	0.0	50	17	6	3	1.75	-0.64	0.91	7	2.0	6	11	6	11	w.	New Jersey Zinc Co.	
Philadelphia City Office.....	Philadelphia.....	26	71	31.7	-2.2	55	17	10	3	2.30	-1.02	1.14	6-7	2.0	6	9	11	8	nw.	U. S. Weather Bureau.	
Phoenixville.....	Chester.....	100	32	32.4	+0.1	55	1	6	4	2.75	-0.65	1.00	7	.....	6	17	7	4	w.	Phila-Suburban Water Co.	
Port Clinton.....	Schuylkill.....	407	4	28.6	-0.8	48	17	6	3†	2.11	-1.21	0.78	17	5.0	4	19	2	7	n.	Earl E. Barick.	
Quakertown.....	Bucks.....	450	57	27.8	-1.0	50	17	5	3†	2.21	-1.10	0.92	7	2.8	6	14	6	8	nw.	John E. Benner.	
Reading.....	Berks.....	773	72	30.0	-0.6	49	17	8	3	2.40	-1.02	1.03	16-17	2.7	5	10	6	12	nw.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	48	24.1	-3.2	45	16	1	3	1.25	-1.79	0.76	7	4.8	8	5	8	15	nw.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	476	52	28.2	-0.3	46	17	5	3	3.73	+0.96	1.62	7	10.0	9	7	12	9	uw.	Dr. George E. Fisher.	
State College.....	Centre.....	1,217	58	24.2	-2.6	45	17	1	3	1.35	-1.12	0.42	7	7.4	10	2	7	19	nw.	Penna. State College.	
Stroudsburg.....	Monroe.....	440	28	26.6	-0.8	49	17	4	3	4.12	+0.77	1.61	1	2.4	6	10	5	13	n.	Metropolitan Edison Co.	
Towanda.....	Bradford.....	754	48	23.6	-1.5	48	17	1	3†	2.30	+0.31	1.73	7	13.7	10	4	15	9	nw.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,319	72	19.8	-5.2	44	16†	-2	20	2.12	+0.10	0.77	8	15.0	9	10	8	10	w.	M. S. Bliss.	
West Chester.....	Chester.....	410	93	29.8	-1.5	51	17	7	3	2.26	-1.24	1.08	7	3.0	4	17	5	6	nw.	Clyde T. Saylor.	
Wilkes-Barre.....	Luzerne.....	544	4	25.4	.....	48	17	3	3	1.27	-1.31	0.65	7	3.5	8	5	7	16	nw.	U. S. Communication Sta.	
Williamsport.....	Lycoming.....	550	56	27.7	-0.2	45	17	5	3	2.79	+0.29	0.79	7	8.5	10	11	6	11	nw.	John D. McEwen.	
Williamstown.....	Dauphin.....	1,275	27	25.4	-4.8	40	17†	1	3	2.55	-0.12	1.13	7	6.0	6	8	9	11	nw.	Susquehanna Collieries.	
York.....	York.....	400	54	31.0	-0.3	53	15	8	3	2.31	-0.44	1.31	7	4.0	5	14	8	6	nw.	York Water Co.	
Division mean.....				27.2	-1.1	58	17	-10	9	2.42	-0.42	1.73	7	6.5	7	11	6	11	nw.		
Ohio Drainage																					
Bradford.....	McKean.....	1,680	1	19.8	.....	44	17	-17	3	2.36	-0.26	0.74	7	12.4	14	4	9	15	w.	City Water Dept.	
Brookville.....	Jefferson.....	1,240	52	22.3	-2.7	46	17	-11	3	3.58	+1.45	0.84	5	16.1	19	9	1	18	.....	Frank S. Fawcett.	
Butler.....	Butler.....	1,077	29	25.3	-3.0	52	17	-5	3	2.86	+0.46	1.33	5	13.0	12	8	14	6	w.	Butler Eagle.	
Claysville.....	Washington.....	1,150	37	27.2	-4.4	54	16†	-5	3	1.91	-0.56	0.77	5	5.0	11	19	1	8	s.	George J. Melvill.	
Corry.....	Erie.....	1,410	29	18.5	-7.0	43	16†	-12	3	3.33	+0.52	0.70	17	27.2	17	6	3	19	w.	Penna. Electric Co.	
Coudersport.....	Potter.....	1,653	15	20.6	-1.0	44	17	-8	3†	3.46	+1.06	0.86	7	19.9	18	7	8	13	nw.	Philip R. Shaw.	
Derry.....	Westmoreland.....	1,150	45	26.6	-3.5	50	17	-2	3	3.74	+0.72	1.57	5	11.5	12	10	7	11	w.	Miss N. Dixie Winemau.	
Ebensburg.....	Cambria.....	2,090	25	22.3 ^b	-5.5	48 ^b	17	-8 ^b	3	.....	.....	1.25	5	.....	.....	9	7	12	w.	Robert Wasser.	
Edinboro.....	Erie.....	1,220	1	.....	.....	.....	.....	.....	.....	3.84	.....	0.94	17	.....	.....	14	8	1	nw.	Wallace J. Snyder.	
Franklin.....	Venango.....	1,987	68	22.8	-3.0	47	16	-7	3	2.74	+0.25	1.05	17	15.5	13	6	4	18	n.	William K. Fuller.	
Greensburg.....	Westmoreland.....	1,166	33	27.0	-4.7	55	17	-3	3	3.89	+1.14	0.90	5	20.7	18	3	9	16	w.	Westmoreland Water Co.	
Grove City.....	Mercer.....	1,350	35	25.2	-2.6	50	17	-5	3	2.96	+0.73	0.69	16	16.5	16	7	5	16	w.	Prof. H. W. Harmon.	
Indiana.....	Indiana.....	1,300	41	23.2	-6.4	49	17	-2	3	3.19	+0.33	1.52	5	21.5	16	8	5	15	nw.	Indiana State Teachers Col.	
Johnstown.....	Cambria.....	1,650	60	24.6	-5.9	51	17	-2	3	4.14	+0.66	1.47	5	31.2	20	6	10	12	w.	Robert Tross.	
Kane.....	McKean.....	1,938	9	16.9	-5.5	45	17	-21	3	3.56		0.92	7	16.8	19	2	5	21	w.	U. S. Airway Station.	
Meadville.....	Crawford.....	1,065	48	20.6	-3.8	46	16†	-12	3	2.70	+0.18	0.86	17	15							

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Stations	Counties	Day of month																																Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
ATLANTIC DRAINAGE																																				
Delaware Basin																																				
UPPER DELAWARE																																				
Dingmans Ferry ²	Pike	1.29					.11	.12	.41	.61																							3.32			
Hawley ²	Wayne	.81	.02				.17	.12	.28	.97	T.		.01				T.	T.	.02	.36		.03			T.	T.	T.	T.		T.	T.	T.		2.79		
Hollisterville ²	Wayne	.93	T.	T.			.09	.19	.33	1.12	.05		.01	T.				T.	.01	.36		.02				.03	T.		T.	T.	T.	.07		3.24		
Matamoras ²	Pike	.97					.11	.14	.51	.56										.50														2.79		
Mount Pocono	Monroe	.19	.25				.60	T.	.25	T.								T.	T.	.25	.30						T.							3.07		
Paupack ²	Pike	.92					.16	.12	.52	.99	.02									.02	.37		.02												1.65	
Pleasant Mount ²	Wayne	.06					.23	.07	.89			.04	.03							.16	.17													4.12		
Stroudsburg ²	Monroe	1.61					.04	.16	.54	.79										T.	.98														1.82	
Tanners Falls ²	Wayne						.36		1.08	.01										.21	.16															
LEHIGH																																				
Allentown ²	Lehigh	.77					.02	.12	.63	.47										T.	.85													2.86		
Bethlehem ²	Northampton						.29	.01	.92					T.					.01	.45	.28											T.		1.96		
Blakeslee Corners ²	Monroe	.04					.20	.05	.98					.08				.09		.28	.24	.01	.03									T.	.02	2.02		
Gouldsboro ²	Wayne	.91	.04				.13	.12	.53	1.18	T.			.03					T.	T.		.49													3.53	
Lansford ²	Carbon	.95					.14	.15	.71	.38										.06	.76													3.15		
Mauch Chunk	Carbon	T.					.40	T.	1.24	.06				T.					.05	.14	.81	T.	.03										T.		2.73	
Merwinburg ²	Monroe	1.44					*	*	*	1.29											1.01														3.74	
New Tripoli	Lehigh	T.					.25	T.	1.22	T.										.23	.61												T.		2.35	
Palmerton ²	Carbon						.10	.01	.91					T.						.01	.51	.21													1.75	
Zionsville	Lehigh						.38	.10	.82	T.										*	1.00														2.30	
SCHUYLKILL																																				
Conshohocken ²	Montgomery						.31		1.21	T.											.32	.45											T.		2.29	
Fredericksville ²	Berks						.06	.19	.93	.31				T.							1.00												T.		2.52	
Freeland ²	Luzerne	.78	T.				.10	*	.60	.46	.02								T.	.02	T.	.53	T.	.03								T.	T.	.06	2.60	
Gratersford	Montgomery						.23	.05	.94	T.												.32													1.54	
Phoenixville ²	Chester	.53					.14	.15	1.00	.11												.82											T.		2.75	
Port Clinton	Schuykill						.50		.75	T.											.08	.78													2.11	
Pottstown ²	Montgomery						.23	.12	.95	.25																										
Pottsville ²	Schuykill	.96					.23	.12	.95	.25				.01							T.	.80											T.		3.32	
Reading ¹	Berks						.38	.02	.97	T.				T.							T.	.61	.39										T.		2.40	
Wernersville ²	Berks	.83					.12	.19	*	.69				T.							T.	1.04													2.87	
LOWER DELAWARE																																				
Coatesville ²	Chester						.45			1.13											.40	.46											T.		2.44	
Doylestown	Bucks						.30		.78	.03											.03	.78													1.92	
Marcus Hook ²	Delaware						*	.20	.73													1.27											T.		2.20	
Neshaminy Falls	Bucks	T.					.30		.99												.02	1.07											T.		2.38	
Philadelphia																																				
City Office ¹	Philadelphia						.29	.01	1.13	.01											.61	.25											T.		2.30	
Airport Station ⁵	Philadelphia						.31	.06	1.35	.02				T.	T.						.76	.34	T.	T.									T.		2.84	
Franklin Institute	Philadelphia																																			
Shawmont ²	Philadelphia	.03					.36	.02	1.18	.01											.18	.76											T.		2.54	
Quakertown	Bucks						.26	.01	.92	.01											.47	.51													2.21	
West Chester	Chester						.35	T.	1.08	T.											.31	.32											T.		2.26	
West Grove ²	Chester	.62					*	.34	.53	.06											.31	.98													2.53	
Susquehanna Basin																																				
CHEMUNG																																				
Covington ²	Tioga	.20					.40		.50	.90										.30	T.	.20		.10								T.			2.60	
Lawrenceville	Tioga	.10					.40	.05	1.35	.05				.05						.05	T.	T.		.10								T.			2.15	
NORTH BRANCH																																				
Bloomsburg (nr.) ²	Columbia	.74					.38	.07	.94	.19				.08						.08		.23		.03									T.		2.69	
Canton ²	Bradford	.36	.03				.25	.09	.77	.87				.06							T.	.11	.25		.05								T.		2.84	
Danville ²	Montour	.66					.49	.19	.90	.30				.01							*	.07	.28		.06								T.		2.96	
Kellogg Mt. Tower ²	Bradford	.74	.01	T.			.14	.06	.65	1.31	T.			.07	T.					.03	T.	.06	T.		.02	T.							T.		3.09	
Millville ²	Columbia						.22	.20	.88					.02	.38					.07	.26	.15	.04	.05									T.		2.30	
Montrose ²	Susquehanna	.68	.02				.44	.12	.24	1.12	.16			.05	T.					.02	T.	.25		.11				T.	T.	.01	T.	T.		.03	.02	3.27
Pikes Creek ¹	Luzerne						.60	.10	.93												.10	.38	.19	.02	.04										2.36	
Scrantou ¹	Lackawanna	.02	T.				.10	T.	.76	.02				T.	T.					.04	.14	.16		.01	T.	T.	T.	T.	T.	T.	T.	T.	T.		1.25	
Susquehanna ²	Susquehanna	.65	.02				.08	.07	.15	.81	.01			.01						T.	T.	.12		.01			T.	.03	.02	T.	T.	.01	T.	.01	2.00	
Towanda	Bradford	.10	T.	T.	T.		.19	.01	1.73	.10				.04	T.				.01	T.	.05	T.	.05		.02	T.	T.	T.	T.	T.	T.	T.	T.		2.30	
Tunkhannock ¹	Wyoming	.01					.44	.05	1.15	.08			.01	.02							.32														2.08	
Wilkes-Barre ⁵	Luzerne	.02	T.	T.	T.		.14	.05	.65	.05	T.		T.	T.						.03	.30	.03		T.	T.	T.	T.	T.	T.	T.	T.	T.	T.		1.27	
WEST BRANCH																																				
Ansonia ²	Tioga	.24					.23	.03	.56	.38				.06	.02	T.				.10		.36		.08								T.			2.06	
Bald Eagle ²	Blair						.50	.27	.84	.02										.05	.15	.08		.07									T.		2.49	
Bellefonte ²	Centre	*	.19				.39	.05	.56	.08										*	.07	.26											T.		1.63	
Berwinstale ²	Clearfield	.13	.01	T.			.75	.21	.51	.22	T.			.05	T.					T.	.05	.32	T.	.05	T.	T.	T.	T.	T.	T.	T.	T.	.02		2.32	
Carter Camp ¹	Potter	.03					.23	.30	.87	.04										.13	.39	.03		.04											2.14	
Cedar Run ²	Lycoming	.38	.03				.37	.06	.85	.39				.03	.05						.15	.34		.08											2.71	
Clearfield ²	Clearfield	.28	.05				.76	.22	.50	.28	T.			.08	T.					.04	.21	.50	.03	.05	T.	.03	T.	T.	T.	T.	T.	.01	.01	.03	3.08	
Driftwood ¹	Cameron	.01					.22	.23	.67					.04						.19	.29	.02	.03												1.80	
Du Bois (near)	Clearfield	.03	.01				.22	.05	.88	.08			.01	.05	.05																					

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Stations	Counties	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Susquehanna Basin (continued)																																		
JUNIATA																																		
Altoona (near).....	Blair.....	.05				.93	.17	.64	.34			.06					.21	.41		.10	T.							T.	T.	.21			3.12	
Bedford ²	Bedford.....	.26	T.			.40	.20	.65			T.	T.						.20		T.		T.						T.	T.	T.			1.71	
Buffalo Mills ²	Bedford.....	.14				.49		.80										.35															1.78	
Burnt Cabius (nr.).....	Bedford.....					.70	.02	.50	.02								T.	.12		.02													1.38	
Breezewood Intchg.....	Huntingdon.....	T.	T.			.20	.02	.65	.04		.02	T.						.26		T.									T.	T.			1.19	
Charter Oak (nr.) ¹	Huntingdon.....				.09	.40	.22	.55	.01								.04	.42	.03														1.76	
East Waterford ²	Perry.....	.44	T.			.42	.10	1.09	.13			.02	.01				.30		.09										T.		.08		2.20	
Huntingdon.....	Huntingdon.....	T.	T.			.53	.10	.90			T.						.31	.18		.05									T.				2.10	
Lewistown ²	Mifflin.....	.46				.25	.01	.76	.02			.01	T.				.02	.25	.01	T.													1.79	
Loop Mt. Tower ²	Huntingdon.....	.54	.01			.65	.10	1.04	.16			.01					.45		.10								.01	.01	.03				3.11	
Mapleton Depot ²	Huntingdon.....	.28				.38	.02	1.30	.15			T.					.30		.05														2.52	
Martinsburg ¹	Blair.....				.17	.61	.62	.37	.04								.38	.02	.04									.01	.02				2.28	
Newport ²	Perry.....	.70				.43	.17	.99	.29			T.					.50		T.										T.				3.08	
Saxton ²	Bedford.....	.28	.02			.62	.09	.70	.12	T.		.02	T.	T.	T.		T.	.30	T.	.03	T.	T.	T.	T.		T.	T.	T.	T.				2.18	
Shade Gap ¹	Huntingdon.....				.08	.67	.40	.58									.33	.05	.06														2.17	
LWR SUSQUEHANNA																																		
Arendtsville ²	Adams.....	.38				.80	.06	1.34	.07								T.	.60		.02													3.27	
Blossville.....	Cumberland.....		T.			.93	.01	.81	T.		T.	T.					.17	.37		T.									T.	T.			2.29	
Blue Mt. Intchg.....	Franklin.....		T.			.58	T.	1.11	T.			T.					T.	.45		T.													2.14	
Carlisle.....	Cumberland.....					.45	.04	1.25	.02			T.					.42	.14		.06													2.38	
Ephrata.....	Lancaster.....					.46	T.	.86	T.								.37	.68											T.	T.			2.37	
Glen Rock ¹	York.....					.37	.27	1.24									.29	.35															2.52	
Gordon.....	Schuylkill.....		T.			.48		.94	T.								.14	.48		T.													2.04	
Hanover.....	York.....	T.	T.			.41	.03	1.11	T.		T.	T.					.11	.65		T.									T.				2.31	
Harrisburg Arpt ¹	York.....					.80	.34	1.20	T.		T.	T.			T.		.41	.12	T.	T.								T.	T.	T.			2.93	
Holtwood ²	Lancaster.....	.58				.18	.06	.81	.13			T.					T.	.56												T.			2.32	
Huntsdale ²	Cumberland.....	.68				.45	.04	1.02	.07								T.	.45	T.	.03													2.74	
Lancaster.....	Lancaster.....					.48	T.	.87									.10	.63															2.08	
Lebanon ²	Lebanon.....	.75				.20	.10	1.08	.09			T.					T.	.92		T.	T.												3.14	
Manada Gap.....	Dauphin.....		T.			.63	.01	1.46	T.								T.	.27	.59		.01									T.	T.		2.97	
Middletown ³	Dauphin.....		T.	T.		.40	.36	.62				T.	T.	T.			.44	.09		T.										T.	T.		1.91	
Millersburg ¹	Dauphin.....					.37	.18	.72	.01								.58	.03	.01														1.90	
New Park.....	York.....					.50		1.35									.20	.50											T.				2.55	
Penn Nursery ²	Centre.....																																\$	
Peters Mt. Tower ²	Dauphin.....					.37	.20	1.00																									2.99	
Pine Grove ²	Schuylkill.....	.79				.30	.04	.80	.16									.90		T.													\$	
Ringtown ²	Schuylkill.....	.56	.12			.45	.05	.50	.16	.05	.05						*	.05	.38		.30								.75	.15			2.01	
Selinsgrove.....	Snyder.....					1.20		1.62	.10								.10	.15	.42		.11												3.73	
Shippensburg.....	Cumberland.....	T.	T.			.71	.04	.70			T.	T.					.15	.41		T.									T.				2.51	
Sunbury ²	Northumberland.....	.80	T.			.51	.28	.80	.74	.02		.02	T.				T.	.07	.35		.05												3.64	
Williamstown.....	Dauphin.....	.20	T.			.54	T.	1.13	.08		T.	T.					.03	.57		T.										T.	T.		2.55	
Woodward ³	Centre.....	.02			.32	.27	.28	1.05	.25		.26						.10	.10		.29	.04					.09							\$	
York.....	York.....					.38	.03	1.31									.08	.51															2.31	
York Haven ²	York.....	.80				.31	.11	1.03	.11									1.68															4.04	
Potomac Basin																																		
Chambersburg ²	Franklin.....	.35				.65	.04	1.35	.04			T.	T.				T.	.39	.06	.04													2.92	
Gettysburg.....	Adams.....		T.			.70	.02	1.43			T.						.15	.53		.01													2.84	
Hewitt (near) ¹	Bedford.....				.06	.30	.29	.44									.38	.01															1.48	
Hyndman ²	Bedford.....	.08	T.			.23	.04	.25	.12									.03	T.		T.												0.75	
McConnellsburg ²	Fulton.....	.30				.35	T.	.90	T.			T.						.44	T.		T.												1.99	
Mercersburg.....	Franklin.....																																	
South Mt. San'tm ²	Franklin.....	.51				.73	.07	1.00	.14			.01					.01	.46	T.	.02													2.95	
GULF DRAINAGE																																		
Ohio Basin																																		
ALLEGHENY																																		
Acemetonia ²	Allegheny.....	.18	.05	T.		1.13	.07	.62	.38			.04	T.				.04	.04	.28	T.	.03		T.	T.			T.	.04	.02	.08			3.00	
Allens Mills ¹	Jefferson.....	.08	.04		.38	.42	.60	.64	.07	.03	.03	.09					.28	.43	.09														\$	
Blairsville ²	Indiana.....	.10	.02	T.		.54	.31	.43	.47	.02	T.	.05	.03	T.	T.	T.	.02	T.	.31	.33	T.	.06	T.	.02	T.	T.	T.	T.	T.	.04	T.	.15	2.52	
Bradford.....	McKean.....	.19	T.			.27		.74	.13		T.	.04	T.	T.	T.		.15	.31	.70		.04	.03	.03	T.	.04			T.	.03	.03	T.		2.36	
Brookville ²	Jefferson.....	.40	.04			.84	.10	.70	.03	.10	T.	.09	.03	T.			*	.25	.70	T.	.10	.03	.03	T.	.02	T.		T.	.04	.05	.03		3.58	
Bucktown ¹	Somerset.....	.08			.13	.55	.49	.63	.08				.01	.01				.25	.04	.02		.03	.02	.02		.03	.02			.08	.02		2.51	
Butler.....	Butler.....	.22	.04			.34	.12		.06	.02	T.	T.					.46	.41		.11			.02	.02		.03	.02		T.	.03	.02	.04	2.86	
Cherry Grove ¹	Warren.....	.07			*	.13	.26	.71	.08	.02	.10	.07					.28	.90	.10		.04	.05	.01					T.	.06	.01	.13	.05	3.30	
Clarion ²	Clarion.....	.41				.99	.48	.52	.10	T.	T.	.10	.02	.01	.02		.06	.15	.75	.02	.05									.01	.02	.05	3.76	
Corry ²	Erle.....	.12	.50			.42	.48	.45	.19			.12	T.	.01	T.		.23	.21	.70	.02	.05		T.	.08	.04	T.			.03	.10	.09		3.33	
Coudersport.....	Ellettsburg.....	.01			*	.42	.09	.86	.76			.04					.48	.22	.16		.08	.02		.05	.01			.01	.04	.01	.03		3.46	
Crooked Crk. Dam ¹	Armstrong.....	.14	.01			1.00	.20	.45	.22			T.	T.				.11	.31	.02	.04				.07	.02	.02				.06				

Daily Precipitation for February, 1942 Continued from page 11

Stations	Counties	Day of month																														Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	
ALLEGHENY (continued)																																		
Saltsburg ²	Indiana	.04	.16	T.		1.03	.08	.71	.17	T.	....	.03	.02		T.	.04	.04	.24	.02	.04	T.	T.	T.	T.	T.	T.	.04	T.	.07				2.70	
Seward ²	Indiana	.08	.05			.64	.37	.98	.37				.25			.02		.29	.08	.07		.02					.02	.03	.18				3.45	
Smethport ²	McKean	.53	.10			.33	.06	.67	.42	.03		.10	.02	T.	T.	.13	.03	.57	T.	.05	T.	.05	T.	.01	T.	T.	.05	T.	.02				3.17	
Somerset	Somerset	.14	.07			1.02	.09	.81	.22		T.	1	.03			T.	.01	.32		.03	T.	.02				T.	.03	.14	.07				2.97	
Stroudtown ¹	Indiana	.06			.28	1.05	.30	.43	.10		.05	.04	.01			.01	.05	.34	.04	.05		.01				.02	.01	.06	.01				2.92	
Tionesta Dam ¹	Forest	.03	.01		.29	.49	.26	.44				.01				.04	.20	.79	.07	.07		.01				.04	.04	.08	.01				\$	
Titusville ¹	Crawford	.01	.08		.23	.69	.21	.32			.06	.04					.17	.96	.09		.03	.04		.05				.06	.03				3.10	
Union City ¹	Erie	.03	.02		.19	.39	.18	.30			.03	.05		.10	.06	.22	.79	.07		.03	.04		.02			.01	.05		.10	.03			2.61	
Vandergrift ³	Westmoreland				.35	.45	.25	.30										.23		.11								.08				\$		
Warren ²	Warren	.45	.01			.38	.06	.62	.22	T.		.07	.01	T.		.01	.20	.05	.80	.02	.08	.01	.09	.01	T.	.01	T.	.12	.2	.10			3.34	
Youngsville ¹	Warren	.12	.05		.28	.34	.13	.61	.02		.08					.05	.24	.74	.09	.07		.05	.18	.01			.19	.03	.08	.07			3.23	
MONONGAHELA																																		
Confluence ²	Somerset	.08	.05	.01		.69	.19	.42	.46	T.	....	.01	T.	T.	T.			.47	.03	.03	T.	T.	T.	T.			T.	T.	.14				2.58	
Cornellsville ²	Fayette	.12	.02	T.		.62	.10	.41	.72	.01		.01	.01					.42	.02	.05		T.	.02			T.	.03	T.	.18				2.74	
Donora ¹	Washington	.10	T.		.51	.24	.08	.69	.10		.01	T.	T.			.01	.24	.12	T.	.06	T.	.01	.02			.01	.05	T.	.07				2.28	
Greensburg ²	Greene	.07	.03	T.		.65	.13	.21	.65	T.			.02	.01	T.			.35	T.	.01	T.	T.	T.			T.	T.	.06					2.19	
Greensburg	Westmoreland	.23	T.		T.	.90	.15	.82	.16		.02	.28	.02	T.		.04	.06	.40		.18	.01	.05	T.	T.		.01	.10	.19	.22				3.89	
Irwin	Westmoreland	.13	.03			1.05	.07	.85	.14		T.	T.	T.			T.	T.	.29	T.	.05		.01	T.				.02	.06	.02	.10				2.77
Meyersdale ²	Somerset	.23	.03	.02		.37	.11	.51	.25	.01							.29	T.	.05							.01	T.	.14	.1				2.03	
Murrysville ¹	Westmoreland	.03	*		.76	.39	.21	.96			.05					.04	.03	.26	.06	.03						.03	.01	.06	.01				2.90	
Newell ¹	Fayette	*	*			.80		.72	*			.10					.15	.45		.04						T.	*	*	.08				2.34	
Pittsburgh Arpt. ¹	Allegheny	.11	.02		.43	.23	.04	.67	.01		.04	T.	T.	T.	T.	T.	.21	.03	.01	.01	T.	.02	T.	T.	T.	T.	.11	.04	.14	.03			2.20	
Spring	Somerset	.08	.07	T.		.70	.14	.64	.12		T.	.02	T.	T.			.49	.40	T.		.04	T.	T.	T.		T.	.01	.06	.08				2.62	
Uniontown	Fayette	.08	.04		T.	.70	.02	.91	.32			.03	.02				.07	.33		.04		T.				.02	.03	.04	.12				2.77	
Waynesburg	Greene	.03	.01		.77	.03		.13					T.				.08	.19		.02							.02	.02	.07				1.92	
BEAVER																																		
Beaver Falls ²	Beaver	.10	T.	T.		.67	T.	.27	.15	T.	....	T.	T.				.02	.02	.61	T.	.03		.03	T.			T.	T.	.05	.20			2.15	
Greenville	Mercer	*	.34		.04	1.20											.19	.97	.35		T.					*	*	*	.21				\$	
Grove City	Mercer	.07	.39		.46	.01	.30	.07		.07	.04						.15	.69	.44	.01						.05	.01	.18	.02				2.90	
Mercer ³	Mercer	.02	.01	T.	.39	.50	.17	.11	T.		.03	.02	T.	T.	.08		.07	1.25	.07	.04	T.	.01	T.	T.	T.	T.	.05	T.	.05	.01			2.86	
New Castle	Lawrence	.20	.02		T.	.71	.61	.36	.02		.02	.07	.01			.14	.74	.43	.01	.07	T.	T.	T.	T.	T.	.01	.03	.03	.03				2.91	
Penn Line ²	Crawford	.23	.05			.65	.65	.64	.20	T.		.09	T.			.19	.25	1.15	T.	.11	T.	T.	T.	T.	T.		.05	.08	.02				3.76	
Pymatuning Dam ²	Crawford	.13	T.			.65	.63	.65	.12			T.	.06			.10	.29	.86	T.	.04						T.	.05	.01	.01				//3.00	
Sharon ²	Mercer	.20	.01		1.30	.03	.16	.10			.05	.01			.05		*		.11	1.12		.10					.07	.02	.02				3.65	
OHIO																																		
Claysville ²	Washington	.07	.04		.77	.04	.35	.08								.02		.34		.04						T.	.03	T.	.13				1.91	
Coraopolis ²	Allegheny	.24	.01	T.		.64	T.	.35	.12	.01		.01				.04	.09	.37	T.	.02						T.	T.	T.	.04				1.94	
Midland ²	Beaver	.07	.03	T.		.75	.04	.25	.15			.02	T.			.03	.01	.57		.03			.01			T.	.01	T.	.06				2.03	
Mt. Lebanon	Allegheny	.11	.05		.47	.38	.07	.57	T.		.06	T.				T.	.18	.10	.09	T.	T.	T.	T.			T.	.06	.03	.07	.10			2.34	
Washington ¹	Washington	.03	.02		.49	.21	.03	.54									.25	.08	.02							.01	.02	.02	.02				1.74	
LAKE DRAINAGE																																		
Erie ¹	Erie	.12			.10	.11	.06	.34			.09	.05		T.	.01	.10	.55	.15	.18	T.	.05	T.	T.	T.		T.	.04	.15	.04				2.14	
Raymond ¹	Potter				.15	.14	.29	.94	.01		.05	.04				.13	.33	.05			.03								.04				2.20	

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ⁵ Precipitation for period, 1:30 a. m. of date on which amount is recorded to 1:30 a. m. following date. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. § Incomplete or missing. † Daily amounts inconsistent. T.(trace), when precipitation is less than .01 inch. // Record partially estimated.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind §			Relative Humidity			Percentage of sunshine	
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.		7:30 p. m.
Erie.....	30.01	30.53	3	29.26	17	8.6	24	nw.	1	90	...	90	40
Harrisburg.....	29.93	30.45	3	29.26	7	12.4	31	nw.	21	61	49	57	56
Kylertown.....	29.93	30.47	3	29.29	7	15.3	48	nw.	1	87	71	77	...
Philadelphia.....	29.99	30.16	4	29.14	7	15.2	39	ne.	7	67	58	56	55
Pittsburgh.....	29.99	30.53	3	29.30	17	12.4	33	w.	1	83	66	75	34
Reading.....	29.91	30.47	4	29.22	7	17.5	46	e.	7	61	45	43	53
Scranton.....	29.91	30.41	4	29.24	7	8.7	29	nw.	8	72	64	56	44

* For any five-minute period. § Corrected to true velocities
† Local noon § 3:00 p. m. † 4:00 p. m.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	2.9	3.9	20	2.2	28	18
Easton	Delaware	3.5	5.4	17	1.8	14	22
Lehigh	Lehigh	3.7	5.0	8	3.2	28	9
Reading	Schuylkill	4.0	8.0	17	3.2	28	13
Wilkes-Barre	N. Br. Susquehanna	4.0	6.5	20	3.1	15	22
Williamsport	W. Br. Susquehanna	3.0	5.0	20	1.4	5	20
Newport	Juniata	5.7	7.2	9	4.0	3	22
Harrisburg	Susquehanna	4.5	5.6	9	3.6	6	24
Schenley, Lock No. 7	Allegheny	15.0	2.9	19	12.4	4	24
Intersville	Youghiogheny	5.4	9.4	18	2.6	4	20
Charlevoix (nr.), Lock No. 4	Monongahela	14.3	18.5	6	11.9	2	30
Pittsburgh	Ohio	*	*	*	*	*	25
Midland, Dam No. 7	Ohio	*	22.3	19	*	*	30

Daily Temperatures for February, 1942

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown ²	Maximum....	36	33	23	32	35	38	38	36	32	34	37	29	37	39	41	45	50	43	29	26	30	38	39	41	40	39	39	44	.....	.....	36.5
	Minimum....	32	21	7	15	31	37	34	32	16	16	20	18	17	17	24	29	32	29	19	10	10	14	23	18	19	25	25	29	.....	.....	21.0
Altoona(near).....	Maximum....	33	23	21	38	34	37	36	35	29	26	32	29	28	34	44	40	45	37	31	21	21	27	31	38	29	34	33	33	.....	.....	32.1
	Minimum....	22	11	-6	5	22	31	32	15	1	16	19	10	9	16	28	31	29	20	4	2	8	9	16	6	19	22	23	21	.....	.....	15.8
Arendtsville.....	Maximum....	36	34	30	37	36	38	37	35	34	30	35	31	34	40	50	40	48	44	40	24	28	35	41	40	40	41	37	42	.....	.....	37.0
	Minimum....	31	20	6	12	27	34	33	26	14	21	28	18	16	23	26	32	38	26	12	10	14	20	20	16	23	28	27	27	.....	.....	22.4
Bedford.....	Maximum....	40	36	23	40	37	42	38	35	31	31	35	30	30	37	50	49	46	40	39	21	24	30	36	38	38	35	34	36	.....	.....	35.8
	Minimum....	26	13	1	12	29	33	32	21	8	21	25	15	12	19	29	34	35	23	7	8	13	8	11	11	20	25	25	24	.....	.....	19.3
Bethlehem ³	Maximum....	39	33	20	31	32	35	34	33	28	33	34	26	34	37	32	41	48	46	32	24	28	36	38	41	49	38	38	44	.....	.....	34.8
	Minimum....	32	9	6	11	27	31	32	16	14	16	21	16	16	22	28	30	34	29	12	10	14	22	22	19	24	25	29	29	.....	.....	21.3
Bloomsburg(near)...	Maximum....	40	27	23	30	34	41	35	35	27	28	33	26	34	37	34	41	44	39	31	25	27	34	35	37	34	38	36	38	.....	.....	33.8
	Minimum....	22	12	4	6	25	31	32	19	10	14	22	11	13	21	19	30	34	21	12	5	11	19	23	9	24	21	23	25	.....	.....	18.5
Blue Mt. Interchange	Maximum....	40	34	29	40	40	39	46	39	34	36	44	44	34	40	52	53	50	43	43	24	28	34	37	38	40	38	40	40	.....	.....	39.2
	Minimum....	32	19	5	12	26	32	32	28	11	20	24	18	17	24	24	34	36	28	12	10	15	18	22	23	29	29	28	.....	.....	22.1	
Bradford.....	Maximum....	37	19	17	32	34	37	37	29	27	24	25	21	24	28	42	39	44	32	29	15	17	21	24	33	27	27	27	.....	.....	25.6	
	Minimum....	18	3	-17	-2	24	31	28	9	-9	4	20	4	9	17	14	29	28	20	5	3	7	8	15	-16	12	11	15	20	.....	.....	11.1
Breezewood Intchg...	Maximum....	40	38	26	40	42	42	40	36	34	36	36	33	32	40	52	54	46	48	42	28	26	32	40	40	38	38	38	.....	.....	38.5	
	Minimum....	28	18	0	12	30	34	34	24	8	20	26	12	16	18	28	36	38	24	10	8	11	16	12	13	22	28	28	26	.....	.....	20.8
Brookville ²	Maximum....	44	20	20	40	36	44	38	24	34	30	32	28	31	37	37	45	46	34	14	22	22	27	30	38	28	35	35	34	.....	.....	32.3
	Minimum....	21	10	-11	6	17	30	32	15	-3	-3	19	0	2	9	18	28	34	15	-1	-3	9	14	19	-2	5	19	21	22	.....	.....	12.3
Burnt Cabins(near)..	Maximum....	36	30	25	39	39	42	40	36	31	30	34	33	33	39	52	50	46	43	43	23	27	32	37	40	38	37	39	.....	.....	26.9	
	Minimum....	29	16	0	7	27	31	30	22	6	16	22	16	12	20	22	28	34	20	9	6	12	16	12	8	20	25	25	24	.....	.....	18.4
Butler.....	Maximum....	50	27	20	42	48	48	48	37	30	29	33	28	28	33	43	45	62	34	32	15	22	22	27	38	33	34	34	32	.....	.....	34.2
	Minimum....	11	11	-5	16	32	34	34	6	6	23	25	10	12	15	25	22	33	16	5	6	7	12	11	10	19	14	21	24	.....	.....	16.4
Carlisle.....	Maximum....	38	33	28	38	37	38	35	38	35	37	30	37	39	42	52	42	45	47	42	26	34	38	44	38	44	44	39	41	.....	.....	38.7
	Minimum....	30	20	5	10	26	32	32	25	12	15	18	17	16	22	23	30	37	32	13	10	15	19	19	14	22	28	27	28	.....	.....	21.8
Chambersburg.....	Maximum....	37	30	30	39	38	40	40	38	37	30	37	33	35	37	55	39	47	44	37	26	30	37	43	43	40	42	39	43	.....	.....	34.1
	Minimum....	30	16	7	13	29	33	33	23	14	22	24	21	18	24	27	31	35	28	14	12	16	18	20	14	23	23	29	29	.....	.....	22.4
Claysville.....	Maximum....	33	25	23	42	43	50	44	31	27	35	35	30	31	39	48	54	54	34	34	21	27	32	37	36	36	32	31	33	.....	.....	35.6
	Minimum....	24	13	-5	12	36	35	31	22	2	24	24	11	9	11	30	41	32	26	5	6	15	12	8	11	20	24	25	24	.....	.....	18.9
Coatesville.....	Maximum....	41	30	25	34	36	40	37	36	31	34	38	32	35	39	44	45	50	44	34	26	32	36	39	38	39	40	40	45	.....	.....	37.0
	Minimum....	29	14	7	10	29	31	33	24	14	20	29	18	16	23	27	27	34	29	17	11	15	20	21	19	23	29	28	28	.....	.....	22.3
Corry ²	Maximum....	22	13	22	35	35	43	35	18	28	27	25	23	28	32	39	43	42	30	10	19	21	25	30	25	33	32	33	.....	.....	28.1	
	Minimum....	19	6	-12	-8	20	30	31	12	-5	0	18	-5	0	9	13	25	30	17	0	0	5	9	13	-5	-1	12	17	20	.....	.....	9.6
Coudersport.....	Maximum....	42	20	21	29	34	37	36	29	28	32	34	28	26	34	42	37	44	38	30	19	21	25	27	35	29	35	29	35	.....	.....	31.3
	Minimum....	16	3	-8	-1	18	30	25	15	-8	15	18	-5	2	12	18	30	26	12	-1	-4	-5	9	14	-8	15	7	14	19	.....	.....	9.9
Derry.....	Maximum....	34	22	20	46	44	47	43	33	26	36	36	30	32	37	47	49	50	34	21	24	30	33	38	35	32	32	32	.....	.....	34.9	
	Minimum....	22	10	-2	8	33	32	32	12	0	22	25	14	13	15	31	39	32	22	6	7	13	11	12	9	20	24	25	23	.....	.....	18.2
Ebensburg.....	Maximum....	35	22	20	44	38	35	39	35	25	25	33	.....	34	42	41	48	45	31	19	20	26	30	36	32	32	29	29	.....	.....	32.1 ^b	
	Minimum....	13	4	-8	-1	19	25	30	10	6	13	19	.....	9	23	30	26	14	-1	-1	4	8	12	4	14	14	20	18	.....	.....	12.5 ^b	
Edinboro.....	Maximum....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Minimum....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Emporium ²	Maximum....	38	13	22	32	35	39	37	21	32	27	32	26	31	34	39	44	40	36	14	20	25	26	28	36	28	36	31	35	.....	.....	30.6
	Minimum....	10	-8	2	18	26	32	18	-3	2	17	6	6	7	21	22	35	30	3	1	6	7	15	-1	0	16	18	21	.....	.....	11.9 ^a	
Ephrata.....	Maximum....	42	32	29	34	36	40	37	37	35	33	40	34	37	41	43	44	49	46	37	27	31	38	42	42	42	40	40	.....	.....	38.5	
	Minimum....	31	18	7	10	29	30	34	27	14	21	29	18	17	23	26	29	41	28	17	11	16	21	23	18	28	28	28	.....	.....	23.0	
Erie ³	Maximum....	29	19	8	20	32	39	44	35	26	21	28	28	22	26	30	38	45	45	31	12	20	24	24	25	26	30	26	33	.....	.....	28.7
	Minimum....	17	8	4	20	32	33	26	13	10	17	15	10	17	22	28	38	26	12	5	10	16	18	15	10	20	21	23	25	.....	.....	18.2
Franklin ²	Maximum....	25	25	22	41	38	47	37	19	31	31	28	23	29	37	44	46	36	31	12	20	20	24	25	34	29	33	30	34	.....	.....	30.4
	Minimum....	22	14	-7	-6	20	33	33	18	6	7	22	8	6	16	21	30	35	22	5	4	8	14	15	5	21	23	24	.....	.....	15.1	
Freeland.....	Maximum....	43	21	9	22	30	31	31	31	21	24	24	17	27	31	31	28	38	35	28	16	22	29	27	28	30	28	28	34	.....	.....	27.3
	Minimum....	19	3	-3	3	19	28	28	2	-10	6	15	1	9	11	11	20	20	19	8	-2											

Daily Temperatures for February, 1942 Continued from page 13

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Midland.....	38	26	23	44	43	53	45	33	30	34	35	24	31	40	49	41	51	38	32	24	26	29	31	37	31	37	35	34	.....	.....	.....	36.0	
Minimum.....	25	13	3	17	34	36	31	20	9	21	25	13	14	13	11	11	35	25	6	9	14	12	12	17	23	26	27	24	.....	.....	.....	20.8	
Montrose ²	29	10	10	24	30	34	37	20	15	21	24	15	20	27	37	40	43	33	15	16	16	25	27	25	29	26	25	30	.....	.....	.....	25.4	
Minimum.....	24	6	7	-7	4	23	28	19	4	0	5	5	3	3	9	17	18	27	15	9	3	3	5	15	10	12	12	13	13				10.0
Mt. Lebanon.....	30	19	22	40	43	50	41	28	25	34	33	26	31	39	49	52	52	33	20	22	24	30	34	37	29	35	31	32	.....	.....	.....	33.6	
Maximum.....	19	5	2	15	36	36	28	12	5	25	23	12	11	14	32	41	30	49	5	6	13	9	11	11	17	24	21	23	.....	.....	.....	18.1	
Minimum.....	33	20	16	33	39	33	39	43	27	27	35	24	25	33	42	32	40	43	38	20	16	30	32	25	32	30	32	33	.....	.....	.....	36.1	
Mt. Pocono.....	15	4	5	0	18	22	24	23	18	2	4	2	5	14	18	25	28	19	10	-6	-8	11	17	15	10	10	16	10	.....	.....	.....	11.5	
Maximum.....	50	35	25	31	55	36	49	38	38	3	40	32	36	40	41	48	53	46	40	27	32	40	41	40	42	42	46	48	.....	.....	.....	39.1	
Minimum.....	35	21	8	8	29	29	34	26	12	20	27	19	17	22	27	32	46	27	21	11	15	20	16	25	21	29	28	33	.....	.....	.....	23.6	
New Castle.....	37	26	27	40	41	49	43	35	32	31	44	28	32	39	10	41	50	36	30	23	27	26	29	36	36	35	34	35	.....	.....	.....	34.8	
Maximum.....	24	12	-3	24	33	34	34	19	6	25	25	6	11	14	32	36	31	19	5	6	12	12	17	10	21	23	25	25	.....	.....	.....	19.2	
Minimum.....	28	18	22	41	44	50	43	29	28	36	28	28	30	49	49	56	56	3	20	23	31	35	36	27	33	32	32	.....	.....	.....	34.4		
Newell ³	18	5	1	11	37	33	29	12	15	24	17	15	15	34	48	32	18	8	7	15	12	27	17	20	25	26	27	.....	.....	.....	19.9		
Maximum.....	32	27	24	33	35	40	37	37	31	36	36	30	37	40	36	45	50	47	34	25	30	41	41	39	40	40	40	.....	.....	.....	36.9		
Minimum.....	27	8	6	7	27	34	35	18	15	16	20	18	17	25	24	31	31	29	11	9	12	22	21	18	21	23	29	29	.....	.....	.....	21.1	
Philadelphia City Office ³	42	30	28	32	39	40	39	36	33	41	34	37	41	39	52	55	44	34	27	31	38	42	40	42	42	42	40	47	.....	.....	.....	38.8	
Maximum.....	30	13	10	17	31	35	35	21	17	23	31	20	18	26	30	32	37	32	15	13	17	22	26	22	27	27	30	30	.....	.....	.....	24.6	
Minimum.....	40	30	26	33	38	38	40	38	35	35	40	33	38	42	44	53	54	42	34	27	32	40	12	22	30	42	42	47	.....	.....	.....	36.7	
Airport Station ⁵	29	10	9	13	30	32	35	19	16	21	27	19	18	24	25	29	33	30	14	12	17	22	22	20	24	30	26	29	.....	.....	.....	22.8	
Minimum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Franklin Institute.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Shawmout.....	51	33	26	32	37	37	39	38	34	34	39	36	37	40	39	49	54	45	41	27	31	38	40	40	41	40	41	45	.....	.....	.....	38.7	
Maximum.....	25	24	10	10	30	30	34	28	16	20	30	20	18	25	25	27	45	21	12	17	21	21	20	22	27	27	30	30	.....	.....	.....	23.9	
Minimum.....	55	38	31	36	36	37	39	39	37	44	40	42	45	44	49	52	50	45	30	36	42	45	45	46	46	46	52	.....	.....	.....	42.4		
Phoenixville.....	33	23	9	6	30	29	34	29	16	20	29	20	12	22	21	22	40	26	20	11	15	21	17	21	26	24	29						22.4
Minimum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Pittsburgh City Office ³	30	21	22	43	45	51	41	32	29	37	36	28	33	41	50	54	54	35	16	22	24	31	35	39	29	35	32	33	.....	.....	.....	34.9	
Maximum.....	21	10	7	19	38	38	30	14	10	27	24	17	18	22	34	43	32	16	8	10	17	15	18	17	22	27	26	26	.....	.....	.....	21.6	
Minimum.....	25	19	21	41	43	49	39	29	26	34	33	26	30	37	45	52	53	32	15	20	22	29	34	36	26	32	30	31	.....	.....	.....	32.7	
Pittsburgh Arpt Sta. ³	19	7	2	15	36	34	29	12	8	24	22	13	13	18	32	40	30	15	5	5	14	12	14	14	19	24	24	23	.....	.....	.....	18.6	
Maximum.....	46	31	22	29	37	38	39	37	34	35	36	35	34	38	38	48	45	40	24	28	36	36	37	37	37	37	36	42	.....	.....	.....	36.0	
Minimum.....	29	20	6	6	27	30	34	25	13	16	25	17	16	22	24	29	38	27	16	9	14	20	24	16	24	25	14	27	.....	.....	.....	21.2	
Port Clinton.....	22	12	20	38	38	44	34	16	24	30	24	20	26	32	38	46	32	30	10	18	18	22	24	26	28	32	28	32	.....	.....	.....	27.3	
Maximum.....	26	19	-8	-6	20	26	32	14	2	2	22	2	2	12	12	32	32	18	0	2	8	8	16	0	6	18	22	24	.....	.....	.....	12.6	
Minimum.....	49	31	21	32	33	36	37	36	28	34	37	34	34	38	36	38	50	46	38	24	26	39	38	38	38	37	39	44	.....	.....	.....	36.1	
Quakertown.....	22	16	5	5	26	27	31	22	12	15	25	16	9	21	16	27	31	26	17	8	11	19	23	15	21	24	25	26	.....	.....	.....	19.6	
Maximum.....	39	28	26	33	35	39	39	37	33	32	36	32	36	40	38	45	49	43	31	25	29	36	40	42	40	39	39	44	.....	.....	.....	36.8	
Minimum.....	28	11	8	12	31	32	35	17	15	20	27	15	18	24	32	33	35	30	13	12	16	21	25	20	25	27	30	30	.....	.....	.....	23.1	
Reading ³	24	16	20	36	37	43	37	22	30	28	37	26	32	36	38	47	40	33	12	21	21	27	35	27	35	27	34	30	.....	.....	.....	30.3	
Maximum.....	22	9	-10	-10	18	27	31	18	-3	-4	15	-1	-2	7	17	26	34	22	-2	4	11	17	-6	-4	14	11	19	.....	.....	.....	10.1		
Minimum.....	37	29	15	29	36	38	37	34	26	26	33	20	26	33	34	45	44	35	31	21	21	31	31	30	33	37	37	38	.....	.....	.....	30.5	
Seranton ³	20	5	1	7	26	34	33	13	10	18	12	14	21	24	24	30	25	9	7	10	18	17	15	24	19	28	26	.....	.....	.....	17.7		
Maximum.....	41	31	27	31	37	37	39	37	30	29	30	34	35	35	36	40	46	42	39	24	29	37	37	38	39	38	41	.....	.....	.....	36.0		
Minimum.....	28	19	5	12	25	29	32	23	10	11	21	16	15	20	22	29	36	26	12	8	14	19	23	13	24	24	28	27	.....	.....	.....	20.4	
Sharon.....	34	24	19	36	49	45	43	34	25	32	32	25	29	40	39	46	49	34	31	20	20	24	25	31	27	33	33	.....	.....	.....	32.4		
Maximum.....	19	3	-1	18	36	36	30	11	6	23	18	9	14	7	33	39	34	16	4	6	11	11	20	12	23	25	27	27	.....	.....	.....	18.5	
Minimum.....	35	21	12	35	36	36	30	21	26	30	30	23	23	32	41	41	48	32	32	14	17	24	29	34	33	26	28	26	.....	.....	.....	29.7	
Somerset.....	21	7	-7	-2	24	34	31	15	-9	15	22	12	10	6	28	35	29	21	3	4	10	10	11	9	16	21	20	20	.....	.....	.....	15.0	
Maximum.....	30	18	19	41	39	37	35	26	27	34	34	22	23	33	44	41	50	37	31	12	16	26	32	36	29	27	24	26	.....	.....	.....	30.3	
Minimum.....	17	3	-5	0	29	30	25	18	-1	17	20	10	7	10	29	32	27	22	0	0	7	8	11	10	14	19	19	.....	.....	.....	14.0		
State College ³	32	20	21	23	36	38	36	29	29	28	33	26	31	35																			

CLIMATOLOGICAL DATA

32 PENNSYLVANIA SECTION.

L. F. CONOVER

HARRISBURG, PA.

VOL. XLVII.

MARCH, 1942.

No. 3.

GENERAL SUMMARY.

The monthly mean temperature was 2.4° above normal, in contrast to February's deficiency of 2.4° . As a result of this excess, the average daily deficiency, accumulated during January and February, was practically eliminated. Minima were higher than usual for the month; the absolute minimum, 4° , being the highest absolute minimum recorded since 1931, and the sixth highest in the period of record for March.

Precipitation was well over normal, the average and excess being greater than for any month since July, 1941. The accumulated deficiency for the year has now been reduced to 0.60 inch. Much of the precipitation fell as snow. In a general storm on the 2-3d, snow depths ranged from 2 inches in south-central counties to 19 inches in southwestern counties. Four people died at Pittsburgh in accidents caused by the storm. Roads were blocked, schools closed, and industries retarded as the heavy snow, blown by high winds, caused short circuits and broke down wires, trees, and poles.

A second snowstorm, on the 28-29th, produced greatest falls in the central part of the State. Amounts varied greatly from light amounts in the west, where the precipitation was mostly in the form of rain, to 34 inches in south-central counties, where trees and buildings collapsed under the weight of the snow. Damage to buildings at Littlestown and Shippensburg was estimated at \$35,000. The snowfall average was the seventh highest for any March in the period of record. With the exception of 1941, no higher average for March has been reported since 1916. The total of 47.5 inches at State College broke all monthly records since 1888 when observations began there.

Thunderstorms were general on the 16-17th. Near Erie, on the 16th, exceptionally heavy rains resulted in one death and property damage estimated at \$500,000. Streams rose rapidly, traffic was halted as highways and railroads were washed out.

High winds, general on the 9th, exceeded all previous records for the month at Philadelphia and Reading. Trees and poles were blown down at a number of places. Utility services were disrupted and windows were broken. In the vicinity of Allentown, houses were damaged, small buildings demolished, and some live-stock was killed when the end of a barn collapsed.

On the 21st, during a period of poor visibility, a plane crashed into a mountain-side near Harrisburg and the pilot was killed. Some damage was caused by swollen streams, but crests, occurring most frequently about the 10th, were generally below flood stages.

G. W. S.

TEMPERATURE.

The average temperature for the State, as deduced from the reports of 75 stations, was 40.0° , which is 2.4° above the 55-year average for March. The highest monthly mean was 46.6° at Marcus Hook, and the lowest was 32.9° at Gouldsboro. Extremes of temperature ranged from a maximum of 76° at Breezewood Interchange, on the 17th, to a minimum of 4° at Ebensburg on the 2d.

PRECIPITATION.

The average precipitation from rain, sleet, and melted snow, for the State, as deduced from the observations at 170 stations, was 4.47 inches, which is 0.95 inch above the 55-year average for March. The greatest monthly amount was 7.95 inches at Woodward, and the least was 2.01 inches at Millville. The greatest amount for any 24 consecutive hours was 3.10 inches at Shippensburg on the 29th.

The average snowfall for the State was 16.1 inches, which is 8.2 inches above the 55-year average. The greatest total snowfall for the month was 47.5 inches at East Waterford and at State College. The greatest fall for any observational day was 26.0 inches, reported by both Huntingdon and Shippensburg on the 29th.

ANNOUNCEMENT

The cooperative station at Bakers Summit has been closed due to the resignation of Mr. Miles Snyder, who served faithfully as Cooperative Observer since the establishment of the station in March, 1925.

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation		No. of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	31.2	72	-6	3.55	9.9	11	6	10	13
1889.....	39.0	76	4	2.90	3.1	9	10	8	15
1890.....	33.2	76	-21	5.15	17.5	16	6	10	15
1891.....	33.8	60	-14	5.10	15.8	14	7	8	16
1892.....	31.8	66	-4	4.14	18.8	12	11	7	13
1893.....	34.8	74	3	2.52	4.8	11	9	9	13
1894.....	43.2	84	-2	1.63	1.3	8	12	11	8
1895.....	33.8	70	-4	2.31	9.0	11	10	10	11
1896.....	30.6	69	-18	4.51	21.1	11	11	8	12
1897.....	39.0	75	-5	3.22	3.4	13	11	7	13
1898.....	44.0	83	4	4.31	3.6	12	10	8	13
1899.....	36.3	75	3	4.87	7.9	14	5	9	17
1900.....	31.2	66	-23	3.61	13.1	10	10	9	12
1901.....	37.4	80	-11	4.14	3.3	13	7	10	14
1902.....	41.3	78	2	3.98	12.6	11	10	9	12
1903.....	46.4	83	14	4.52	0.1	11	10	7	14
1904.....	36.0	80	-2	4.29	4.7	12	9	8	14
1905.....	39.0	86	-18	3.86	4.1	11	12	8	11
1906.....	31.7	68	-13	4.46	20.4	14	8	7	16
1907.....	41.8	92	-10	4.26	9.3	12	11	8	12
1908.....	40.7	83	-4	4.76	3.7	12	11	8	12
1909.....	35.6	74	-5	3.07	7.3	12	10	9	12
1910.....	44.9	88	5	0.56	1.0	5	15	10	6
1911.....	35.0	73	-18	2.57	10.1	13	11	8	12
1912.....	33.6	72	-8	5.05	6.9	13	10	8	13
1913.....	42.1	81	-7	5.27	2.1	13	9	8	14
1914.....	34.2	79	-12	2.61	13.4	10	10	8	13
1915.....	32.9	62	-4	1.28	9.5	7	15	8	8
1916.....	30.7	84	-31	4.12	17.6	12	12	8	11
1917.....	37.3	84	-12	3.68	12.7	14	11	8	12
1918.....	41.6	82	0	2.34	1.5	8	17	7	7
1919.....	41.1	79	6	3.57	2.4	10	15	7	9
1920.....	38.7	80	-11	2.83	6.4	9	16	7	8
1921.....	48.0	88	7	3.33	1.0	14	12	9	10
1922.....	40.0	81	-5	4.37	6.1	14	11	6	14
1923.....	37.0	80	-8	2.49	6.2	11	13	8	10
1924.....	36.1	78	3	2.83	10.3	9	12	9	10
1925.....	40.9	79	-15	2.56	2.2	10	14	6	11
1926.....	33.1	79	-16	1.91	4.0	10	14	8	9
1927.....	42.0	82	-6	2.61	0.7	10	13	7	11
1928.....	37.0	82	-3	3.24	14.5	11	12	9	10
1929.....	43.7	89	-5	2.69	4.4	12	12	8	11
1930.....	37.9	78	-9	3.08	4.9	10	13	7	11
1931.....	36.3	69	10	2.96	6.6	11	8	7	16
1932.....	33.4	72	-8	4.41	14.7	11	10	8	13
1933.....	36.6	79	-7	5.33	5.6	14	8	7	16
1934.....	34.9	78	-22	2.96	7.7	12	12	7	12
1935.....	42.8	83	-6	2.62	2.9	12	11	7	13
1936.....	42.6	84	-3	6.84	7.4	15	9	7	15
1937.....	34.2	67	-3	2.00	8.3	10	11	8	12
1938.....	42.7	87	-5	3.19	2.0	14	10	8	13
1939.....	38.6	85	-10	3.59	3.8	12	11	8	12
1940.....	32.4	76	-13	4.89	7.9	14	8	7	16
1941.....	31.8	67	-10	2.10	18.0	9	13	7	11
1942.....	40.0	76	4	4.47	16.1	13	9	8	14
Period.....	37.6	92	-31	3.52	7.9	11	11	8	12

Climatological Data for March, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches						No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation in or more	Clear	Pt. cloudy	Cloudy			
Atlantic Drainage																					
Allentown.....	Lehigh.....	254	30	41.4	+3.4	68	8	26	13†	3.81	+0.41	0.90	3	1.0	12	9	13	9	sw.	Allent'n-Bethlehem Gas Co.	
Altoona(near).....	Blair.....	1,615	55	38.8	+1.4	70	17	18	2	4.89	+1.61	1.58	3	20.5	12	13	7	11	w.	City of Altoona.	
Bedford.....	Bedford.....	1,120	10	41.2	+2.0	74	17	18	2	4.99	+1.06	1.30	3	25.0	11	8	6	17	nw.	Charles C. Lee.	
Bethlehem.....	Northampton.....	364	56	43.0	+2.6	68	8	30	13	4.25	+1.01	0.87	21	14	16	3	12	nw.	Lehigh University.		
Bloomsburg(near).....	Columbia.....	610	16	39.4	.....	64	8†	19	13	2.31	.....	0.55	3	8	8	10	13	.....	Benjamin F. Conner.		
Burnt Cabins(near).....	Huntingdon.....	990	1	39.2	.....	65	17	18	2	5.41	.....	1.98	29	40.0	11	12	4	15	nw.	Penna. Turnpike Comm.	
Carlisle.....	Cumberland.....	473	73	42.4	+3.7	68	8	22	2†	4.74	+1.43	1.55	29	20.0	12	12	4	15	sw.	Clarence E. Miller.	
Chambersburg.....	Franklin.....	600	45	43.2	+3.4	66	17	24	30	5.53	+2.26	2.19	29	31.4	10	10	9	12	ne.	William B. Spear.	
Coatesville.....	Chester.....	431	55	42.6	+2.8	69	17	26	13	5.39	+1.37	1.60	3	3.0	13	7	6	18	nw.	Howard L. Pyle.	
Eagles Mere.....	Sullivan.....	2,020	1	.....	.....	.....	.....	.....	.....	3.98	.....	0.76	22	18.4	11	9	7	15	se.	Carl E. Bigger.	
Emporium.....	Cameron.....	1,033	57	36.1	+0.8	69	17	13	11	5.42	+1.69	1.07	17	20.0	12	12	3	16	.....	E. M. Poorman.	
Ephrata.....	Lancaster.....	365	45	43.6	+3.5	68	8	26	2†	4.34	+1.01	1.15	3	4.7	12	10	6	15	s.	Ira J. Keath.	
Freeland.....	Luzerne.....	1,970	49	36.2	+3.4	58	8	13	19	3.06	-1.31	0.75	22	5.1	12	2	2	27	w.	Andrew B. Evansha.	
Gettysburg.....	Adams.....	553	69	44.6	+4.3	72	17†	25	2	6.41	+2.89	3.04	29	25.0	10	14	5	12	w.	Dr. Henry Stewart.	
Gordon.....	Schuylkill.....	900	38	39.4	+2.7	63	8	17	25	3.97	+0.68	1.02	9	7.0	12	12	7	12	e.	Miss Sallie M. Johnson.	
Hanover.....	York.....	600	38	44.4	+2.1	71	17	23	30	5.25	+1.94	2.48	29	18.5	10	12	9	10	w.	Evening Sun.	
Harrisburg Airport.....	York.....	351	73	42.8	+3.9	66	8	26	2	3.14	+0.10	0.86	2-3	10.2	14	5	9	17	w.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	24	37.5	+2.9	65	8	18	13	3.76	+0.86	0.83	3	12.5	6	12	9	10	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	27	42.8	+1.6	70	17	28	2	4.30	+1.28	0.95	3	12.0	14	14	5	12	nw.	Penna. Water & Power Co.	
Huntingdon.....	Huntingdon.....	700	55	40.3	+1.6	72	17	20	2†	4.66	+1.20	1.69	29	34.0	12	12	7	12	w.	Prof. Paul R. Yoder.	
Kylertown.....	Clearfield.....	1,700	13	35.6	+2.2	68	17	21	11†	5.15	+1.42	1.63	28-29	39.1	18	2	10	19	w.	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	255	55	43.4	+3.8	68	18	21	2	4.09	+0.77	0.86	3	4.5	13	14	7	10	nw.	Lancaster Water Bureau.	
Lawrenceville.....	Tioga.....	996	45	38.4	+3.7	65	17†	17	7	3.25	+0.95	1.00	3	16.0	10	6	13	12	w.	Carlos P. Darling.	
Lebanon.....	Lebanon.....	469	58	41.0	+1.8	68	8	26	25	3.51	+0.03	0.80	3	5.5	10	16	7	8	sw.	Lebanon Valley Gas Co.	
Lewistown.....	Mifflin.....	467	4	44.8 ^b	.....	68 ^b	8	23 ^b	2	5	.....	1.30	30	36.0	12 ^b	10	4	17	.....	Penna. Edison Co.	
Lock Haven.....	Clinton.....	557	52	39.1	+0.6	68	17	23	11†	5.26	+1.89	1.31	30	28.0	13	7	6	18	ne.	William R. Kelley.	
Marcus Hook.....	Delaware.....	12	16	46.6	+2.6	72	8	33	29	4.73	+1.02	1.15	3	0.5	11	16	4	11	sw.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,176	37	34.0	+1.9	59	8	21	7	5	.....	0.59	17	5	10	11	6	14	nw.	Harry S. Fancher.	
Mt. Pocono.....	Monroe.....	1,720	36	34.4	+2.6	59	8	16	14	5	.....	.....	.....	17.0	.....	9	3	19	nw.	Cecil J. Hoskinson.	
Neshaminy Falls.....	Bucks.....	80	53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Palmerton.....	Carbon.....	455	24	41.1	+3.9	67	8	23	13	4.14	+1.10	1.11	21	1.8	11	6	11	14	ne.	Phila.-Suburban Water Co.	
Philadelphia City Office.....	Philadelphia.....	26	71	44.8	+4.0	70	17	33	30	4.84	+1.45	1.17	2-3	2.5	13	8	10	13	s.	New Jersey Zinc Co.	
Phoenixville.....	Chester.....	100	32	44.3	+3.3	71	8†	21	11†	4.97	+1.33	1.12	3	0.4	11	10	14	7	w.	U. S. Weather Bureau.	
Port Clinton.....	Schuylkill.....	407	4	41.3	+2.9	73	9	22	13†	6.21	+2.34	1.60	22	1.0	12	15	5	11	s.	Phila.-Suburban Water Co.	
Quakertown.....	Bucks.....	450	57	40.6	+3.2	66	8	21	13	5	.....	1.09	3	1.2	11	10	10	11	nw.	Earl E. Rarick.	
Reading.....	Berks.....	723	72	43.4	+2.8	68	9	30	25	4.85	+1.33	1.21	2-3	1.3	13	8	7	16	nw.	Johu F. Benner.	
Scranton.....	Lackawanna.....	746	48	40.2	+1.5	66	8	26	13	2.98	-0.22	0.78	2-3	11.5	14	3	11	17	nw.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	476	52	41.2	+2.7	65	8	22	25	3.76	+0.24	0.81	3	13.2	13	11	9	11	sw.	Dr. George E. Fisher.	
State College.....	Centre.....	1,217	58	38.8	+2.7	68	17	25	2†	5.17	+1.83	1.82	29	47.5	15	4	12	15	nw.	Penna. State College.	
Stroudsburg.....	Monroe.....	440	28	39.2	+2.8	67	8	21	11†	4.85	+1.34	1.54	9	4.0	12	7	6	18	.....	Metropolitan Edison Co.	
Towanda.....	Bradford.....	754	48	39.1	+4.0	65	8	19	13	2.83	+0.24	1.10	3	15.1	14	6	11	14	ne.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,319	72	35.0	+2.1	64	17	17	7	3.10	+0.44	0.67	9	22.5	10	9	9	13	w.	M. S. Bliss.	
West Chester.....	Chester.....	440	93	43.6	+4.5	69	8†	28	5†	5.33	+1.50	1.54	3	4.0	11	13	9	9	nw.	Clyde T. Saylor.	
Wilkes-Barre.....	Luzerne.....	544	4	39.4	.....	65	8†	23	11†	2.78	-0.13	0.65	3	3.0	10	5	9	17	sw.	U. S. Communication Sta.	
Williamsport.....	Lycoming.....	550	56	41.0	+3.5	66	8	18	20	3.20	-0.02	0.64	17	10.9	11	13	12	6	w.	Johu D. McEwen.	
Williamstown.....	Dauphin.....	1,275	27	39.7	+0.9	58	8†	25	13	4.04	+0.77	1.03	3	9.5	11	9	9	13	nw.	Susquehanna Collieries.	
York.....	York.....	400	54	44.6	+4.0	75	17†	20	30	4.66	+1.55	1.62	29	13.0	13	13	10	8	w.	York Water Co.	
Division mean.....				40.7	+3.1	76	17	13	11†	4.37	+0.85	3.10	29	14.4	12	10	8	13	w.		
Ohio Drainage																					
Bradford.....	McKean.....	1,680	1	35.5	.....	65	17	9	11	5.25	+1.70	1.23	3	19.9	15	7	6	18	w.	City Water Dept.	
Brookville.....	Jefferson.....	1,240	52	36.1	+2.8	70 ^a	17	16	2†	5.12	+1.87	0.75	3	19.9	14	7	4	20	.....	Frank S. Fawcett.	
Butler.....	Butler.....	1,077	29	40.6	+2.8	68	17	20	20	4.41	+0.97	1.10	14	18.5	14	8	14	9	.....	Butler Eagle.	
Claysville.....	Washington.....	1,150	37	42.2	+1.2	69	27	21	2†	4.27	+0.94	1.50	3	9	21	3	7	7	s.	George J. Melvin.	
Corry.....	Erle.....	1,430	29	34.3	+1.5	65	27	17	11†	4.63	+0.82	0.75	14	26.4	12	6	3	22	w.	Penna. Electric Co.	
Coudersport.....	Potter.....	1,653	15	35.2	+2.7	67	17	11	11	5.24	+1.70	1.06	3	28.8	16	7	6	18	nw.	Philip R. Shaw.	
Derry.....	Westmoreland.....	1,150	45	41.9	+2.1	70	17	20	2	6.21	+2.35	2.44	3	26.0	14	7	11	13	w.	Miss N. Dixie Wineman.	
Ebensburg.....	Cambria.....	2,090	25	37.0	+1.3	69	17	4	2	5	.....	0.71	4	27.6	14	11	8	12	w.	Robert Wesser.	
Edinboro.....	Erle.....	1,220	10	37.4 ^d	+5.2	62 ^b	27	12 ^d	24	5.50	-2.05	1.13	3	19	10	4	17	nw.	Wallace J. Snyder.		
Franklin.....	Venango.....	1,987	68	37.6	+2.2	66	17	21	11	5.59	+2.24	1.24	17	20.0	11	10	3	18	n.	William K. Fuller.	
Greensburg.....	Westmoreland.....	1,160	33	42.0	+2.0	72	17	20	9†	5.52	+2.10	2.15	3	19.4	16	6	10	15	sw.	Westmoreland Water Co.	
Grove City.....	Mercer.....	1,350	35	39.2	+2.1	65	17	25	2	4.52	+1.20	1.15	3	16.6	17	7	7	17	w.	Prof. H. W. Harmon.	
Indiana.....	Indiana.....	1,300	41	39.1	+0.5	66	17	24	2†	4.85	+1.10	0.86	3	5	17	6	14	11	sw.	Indiana State Teachers Col.	
Johnstown.....	Cambria.....	1,650	60	39.4	+0.2	71	17	18	2	5.49	+0.99	1.21	3	19.3	14	12	4	15	s.	Robert Tross.	
Kane.....	McKean.....	1,938	9	33.1	+1.5	64	17	12	11†	5.83	+1.39	0.85	9	20.7	17	5	2	24	w.	U. S. Airway Station.	
Meadville.....	Crawford																				

Daily Precipitation for March, 1942

Stations	Counties	Day of month																														Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
ATLANTIC DRAINAGE																																		
Delaware Basin																																		
UPPER DELAWARE																																		
Dingmans Ferry ²	Pike			1.68	.03	T.	T.	.10		.97					.20	.32		.61	.18				.55	.03	T.					.19		4.86		
Hawley ²	Wayne	T.		.83	.15		.03	.01		.60	T.	T.	T.		.26	.28	T.	.73		T.	T.		.48	.05	T.				T.	.34		3.76		
Hollisterville ²	Wayne			.94	.22	T.				.62	.08		T.		.04	.53		.65	T.	.09			.46	.15	.03	.05					.32		4.18	
Matamoras ²	Pike			.96	.28		.07	.11		.66	.10				.14	.85		.79	.11				.53	.12	.13					.17		4.62		
Mount Pocono	Monroe			.60						.20					.20	.58	.05						.60	.40	.20				.10	.20	.20	1.00		
Paupack ²	Pike	T.		.75	.16					.70	.02				.25			.88					.15	.38	T.					.35	T.	1.00		
Pleasant Mount	Wayne			.01	.90	.06			.05	.56				.08	.31	*	.87	.11				.47	.39	.05					.22	.08	.26	4.45		
Stroudsburg ²	Monroe	T.		.81	.11		T.	.06	T.	1.54		T.	.01		.35	.25	T.	.63	.12	.01		.74	T.	T.	T.				T.	.22		4.85		
Tanners Falls	Wayne			.05	.73					.62				.06	.54		.61	.07					.98	.13						.32		.28	4.39	
LEHIGH																																		
Allentown ²	Lehigh			.90	.06		.05	.04		.68	T.		.02		.20	.25		.64	T.				.75	.01	T.					*	.21	T.	3.61	
Bethlehem ¹	Northampton			.08	.82		.15	*	.78			.02		.49		.54	.04					.87	.09	T.						*	.20	.17	4.25	
Blakeslee Corners	Monroe			.11	.51				.14	1.12			.05		.29	.22	.50	.03				.55	.14	.03	.01					.20	.06	.24	4.23	
Gouldsboro ²	Wayne			.03	.73	.21		T.	.06		1.08	.03			.26	.18		.52				.58	.05	.03						T.	.37	T.	4.13	
Lausford ²	Carbon			.70	.09		.02	.03		1.20				.17	.13			.86	.08				1.08	.06	T.					.20		4.62		
Mauch Chunk	Carbon			1.11	.06		.05			1.25	T.	T.	T.		.49		.08	.77	.18			.09	1.06	T.					T.	.21	.11	5.46		
Merwinsburg ²	Monroe			.65			.04			1.49				.34	.15			.68	.26											.03		4.81		
Pottsville ²	Lehigh			.80			.05			1.05			T.		.43		.39	.27	.01	T.		.71	.82	T.						.08	.10	.10	4.81	
Palmerport	Carbon			.03	.52		T.		.16	.91			T.		.28		.59	.12				1.11	.09							.12	.12	.21	4.14	
Zionsville	Lehigh			1.11	.04		.22			.52			.02		.65	T.	T.	.80	.03				.62	1.08	T.					.28	.08	.24	5.69	
SCHUYLKILL																																		
Coushohocken	Montgomery	T.	T.	1.49	T.		.22			.74				.92	T.	.11	.28		T.			.28	.87	T.						.24	.43	.85	6.43	
Fredericksburg ²	Berks			.89	.13		.03	.15		.58	T.		T.		.23	.24		.85				1.22	T.							T.	.28	T.	4.60	
Freeland ²	Luzerne	.02	T.	.38	.18		.02	T.		.66	.02			.20	.01		.70		T.	T.			.75	T.	T.						*	.18	3.06	
Gratersford	Montgomery			1.41	.09					.57			.03		.73			.68				.09	.96								.18	.36	T.	4.97
Phoenixville ²	Chester			1.12	.19		.10	.19		.60	T.	T.		T.	.27	.35		.60					.88								.55	.12	4.97	
Port Clinton	Schuylkill			1.01	.05		.06			1.10				.46			.96	.06				.46	1.60							.11	.16	.18	6.21	
Pottstown ²	Montgomery																																3.89	
Pottsville ²	Schuylkill			.85	.08		T.	T.		.89	T.			.26	.10		.60	.15				.85	T.								.05	.06		4.85
Reading ¹	Berks			.23	.98		.16		.11	.50	T.		T.		.44		.67	.02		T.		1.14	.04	.01						T.	.45		.10	4.85
Wernersville ²	Berks			.96			.11	T.		.74		T.	.02		.25	.27		.73					.99	.01							.36		5.00	
LOWER DELAWARE																																		
Coatesville	Chester			.05	1.60		.20			.54				.68		.40	.08					.55	.45						.03	.65	.03	.13	5.39	
Doylestown	Bucks			.87			.21			.52			T.		.52		.36	.43				.42	.62							.15	.18	.15	4.43	
Marcus Hook ²	Delaware			T.	1.15	.15		.14	.13	.57	T.	T.		*	.53		.40		T.				.78			T.				.69	.19	4.73		
Neshaminy Falls	Bucks																																5.00	
Philadelphia	Philadelphia	T.	.40	1.12		T.	.33		.33	.24		T.	T.	.77		.40	.02	T.	T.			.78	.12	T.					T.	.54	.01	.21	5.27	
Airport Station ⁵	Philadelphia	T.	.25	.92		T.	.25		.16	.25		T.	T.	.79		.48	.05	T.	T.			.59	.16	T.						.71	.01	.22	4.84	
City Office ¹	Philadelphia			1.44	.14		.13	.10		.61				.46	.32		.50	T.				1.04									.74	.21	5.69	
Franklin Inst. ²	Philadelphia	T.		1.35	.06		.30			.78			T.	.58		.04	.58	T.	T.			.27	.85	T.	.01					.33	.45	.18	5.78	
Shawmont	Philadelphia			1.09	T.		.17			.82				.53		.03	.82					.70	.71	T.						.13	.18	.13	5.00	
Quakertown	Bucks			T.	1.54	T.		.21		.80				.50		.29	.17			T.		.55	.32	T.						.61	.12	.22	5.33	
West Chester	Chester	T.	T.	1.54	T.		.21			.80				.50		.29	.17			T.		.55	.32	T.						.61	.12	.22	5.33	
West Grove ²	Chester			1.40	.31		.10	.10		.82	T.			.30	.26	T.	.41	T.				1.14	T.							.95	.20		5.99	
Susquehanna Basin																																		
CHEMUNG																																		
Covington ²	Tioga			.80	.45				.45	.20		.20		.50	.20		.40					.20	.10	.05						.20		3.75		
Lawrenceville	Tioga	T.		1.00	.05				.38	T.		.05		.60		.25	.35					.20	T.	T.					T.	T.	.17	.20	3.25	
NORTH BRANCH																																		
Bloomsburg(ur.) ²	Columbia			.55	.17		T.		.19	T.				.25	T.		.47					.52							.02	.14	T.	2.31		
Canton ²	Bradford			.78	.28		T.		.51			.10		.22	.18		.48					.31	T.	.10						.25		3.21		
Danville ²	Montour			.44	.12		.02	T.		.39				.21	.13		.51					.33	T.							.15	.25	.08	2.62	
Kellogg Mt. Tower ²	Bradford	T.	T.	1.30	.54		.02	T.	.33	.33	T.	T.	T.	.11	.15		.45					.35	.05	T.						.21	T.	3.51		
Millville ²	Columbia			.13			.04		.11	.18			.06	.24		.61						.37	.01							.09	.01	.16	2.01	
Montrose ²	Susquehanna	T.		.58	.36		T.	T.	T.				T.	.06	.04	.24	.01	.59		T.	T.	.55	.04	.04						T.	.27	T.	3.16	
Pikes Creek ¹	Luzerne			.50				.18	.54				.03	.31		.61	.03				.63	.09							.06	.06	.12	3.06		
Scranton ¹	Lackawanna	T.	.02	.78	.02		.02		.30	T.			.03	.31	T.	.50	.01	T.	T.		.41	.16	T.						T.	.17	.05	.22	2.98	
Susquehanna ²	Susquehanna			.52	.40				.36	.13				.03	.19		.50				.64	.09	.09							.21	T.	3.16		
Towanda	Bradford	T.		1.10	.01		.01	T.		.17	.01	T.	T.	T.	.24	.02	.50	.03	T.	T.		.04	.35	T.	.01				T.	.16	.18	2.83		
Tunkhannock ¹	Wyoming			.02	.97				.20	.50			.05	.20		.49						.64	.10	.04						.18	.01	.25	3.65	
Wilkes-Barre ⁵	Luzerne	T.	.03	.65	T.		T.		.13	.32	T.	T.	T.	.21	T.	.57	T.		T.			.42	.05	T.	T.					.06	T.	.34	2.78	
WEST BRANCH																																		
Ansonia ²	Tioga			.29	.08				.40	T.		.18		.33	.20		.36					.13	.04	.01						.07	.60		2.69	
Bald Eagle ¹	Blair			.13	.56				.29	.43		.09		.25		.60	.15				.38	.02								.89	.58		.05	4.72
Bellefonte ²	Centre			.50	.12				.29	.23		.07		.07	*	.09	.77				*	*	.21	.02					T.	*	2.71	.02	4.87	
Berwindsdale	Clearfield			.49	.20		T.		.28	.01	T.	.41	T.	.39	.25		.83		T.			.29	.02	T.					.06	.90	.18	T.	4.31	
Carter Camp ¹	Potter			.08	.77		.03		.30	.52		.09	.21	.41	.05	.56						.26	.10						.19	.62	.08	.10	4.65	
Cedar Run ²	Lycoming			.38	.32				.48	.11	.08	.32		.28	.23		.82					.30	.12							.22	1.10		4.76	
Clearfield ²	Clearfield	T.	T.	.56	.31		.01		.42	.42		.39	.02	.30	.43		.65	T.	.03			.50	.15	.07					.05					

Continued on page 19

Daily Precipitation for March, 1942—Continued from page 18

Stations	Counties	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALLEGHENY (continued)																																		
Saltsburg ²	Indiana	.01	T.	.95	.22			T.	T.		.30	T.		.46		.37	.06		.64		.02	T.		.51	.02	T.				.28	.52	T.	.01	4.37
Seward ²	Indiana			.62	.34					.26	.22		.33		.32	.18		.54		.03			.46	.02	.02				.02	.42		.11	3.89	
Smithport ²	McKean	T.	T.	.85	.22			T.		.41	.28		.50		.55	.10		.88	.02	.02			.30	.50	.05					.80	.25	T.	6.79	
Somerset	Somerset	.02		1.28	.08					.26	.01	T.	.36		.35		.30				.02		.16	.14	.10					.65	.15		.09	4.01
Stroutstown ¹	Indiana	.02	.11	.75				.01	.16	.26	.01	.54	.01	.07	.46	.02	.58	.10	.02	.03	.01	.19	.07	.07					.56	.11	.07	.22	4.72	
Tionesta Dam ¹	Forest	.03	.17	.21		.02	.01		.25	.42		.31		.49	.43		1.47	.08	.04	.02		.35	.10	.13					.63	.08	.05	.09	6.38	
Titusville ¹	Crawford		.01	1.47		.04			.22	.38	.07	.45	.03	.39	.52		.99	.04	.02	.07		.30	.13	.25					.38	.02	.02	.03	5.83	
Union City ¹	Erie	.05	.11	.50	.01	.06			.22	.17	.03	.72	.01	.35	.33		.62	.01	.04			.27	.12	.05					.37			.08	4.13	
Vandergrift ³	Westmoreland		.15	1.31		T.	T.		.15			.20	.32				.81					.38	.05								.05	.22	5	
Warren ²	Warren	.03		1.00	.40		.05	T.		.45	.52	T.	.32	.03	.59	.08		.70	.03	.03			.25	.87	.05				.04	.30	.11	.06	6.11	
Youngsville ¹	Warren		.10	1.41		.06			.29	.62	.03	.33	.02	.37	.39		.69	.20	.08	.07		.31	.40	.16			.02		.60	.07		.12	5	
MONONGAHELA																																		
Confluence ²	Somerset	.01	T.	.68	.44					.29	.02		.35		.35	.10	T.	.08		.66	T.		.31	.02	T.				.51	.38	T.	.03	3.63	
Connellsville ²	Fayette	.03	.03	.95	.32					.45	.01		.52		.57	.07		.59		.01		.29	.02						.33	.43		T.	4.62	
Donora ¹	Washington	T.	*	1.45				T.		.16	.19		.46	T.	.15	.33	.01	.90	.05	T.	T.	.25	.06	T.					.28	.01	T.	.22	4.52	
Greensboro ²	Greene	T.	T.	1.07	.36					.17	.02	T.	.62	T.	.51	.04	T.	.16		.03	T.		.11	.03					.14	.22		T.	3.48	
Greensburg	Westmoreland	.02		2.15	T.				T.	.17	T.	.02	.33	.01	.51		.71	.05	T.	.10		.32	.15	.06					.69	.12	T.	.11	5.52	
Irwin	Westmoreland	.01		1.77						.34	T.	.08	.34	T.	.56		.51	.04	T.	.05		.32	.02	.02					.37	.09		.04	4.56	
Meyersdale ²	Somerset			1.02	.39	T.			T.	.33			.06		.15	.09		.10		.08		.33	.14						.33	.50			3.52	
Murrysville ¹	Westmoreland		.43	.77					.14	.17		.34		.18	.29		.71	.04				.40	.01	.01	.01			.02	.34	.03	.02	.12	4.03	
Newell ⁴	Fayette			1.20						.30	T.		.40		.55	.02	T.	.75	T.	.03		.18	.03	T.					.16	.17	T.		3.79	
Pittsburgh Arpt. ¹	Allegheny	T.	.77	.71	T.	T.	T.		.12	.17	T.	.33	T.	.25	.24	T.	.91	.01	.03	.04		.27	T.	T.			.01	.20	T.	T.	.24	4.30		
Springs	Somerset	.02	.02	1.22	.14					.50	.03		.17		.32		.08	.05	T.	.01		.35	.03	.04					.81	.09		.05	3.93	
Uniontown	Fayette			1.30	.06				T.	.28	.01	.66	.70		.57		.11	.15		.01		.10	.15	.04					.44	.07		.05	4.10	
Waynesburg	Greene			2.68					.03	.37	.03		.32		.64		.07	.09				.04							.06			.04	4.37	
BEAVER																																		
Beaver Falls ²	Beaver	.10		.70	.60			.08	.02		.30	T.	T.	.50		1.05	.09	T.	.84		.03		.21	T.	T.				.05	.03	T.	.02	4.62	
Greenville	Mercer			1.36	.01					.19	.23	.20	.23		.64		.85	.01	.01	.74		.03	.06						.12	.66		.34	3.25	
Grove City	Mercer	.01		1.15				.01		.55	.01		.31	.17	.94		.35			.02		.26	.05	.14					.41	.04	.02	.08	4.52	
Mercer ³	Mercer	.02	.13	.28		.05	T.		.29	.15	T.	.35	T.	.62	.45	T.	.53	T.	.10	T.		.33	.05	T.					.18	.01	.01	.06	3.61	
New Castle	Lawrence	.05		.95			.04		T.	.44	.03		.25	1.01	.05	T.	.40		.02			.10	.17	.02					.08		.02	.32	4.04	
Penn Line ²	Crawford			.25	.60		.12			.41	.08		.44		.76		.71		.07		.06	.43	.08	T.					.04	.08	.01	.09	4.23	
Pymatuning Dam ²	Crawford	.01		.28	.17		.07			.40	T.		.48		.76		.63		T.		.06	.35	T.						T.	.12	T.	.03	3.36	
Sharon ²	Mercer			.18	.24		T.			.42	.10		.37		1.20	.02		.56		.04		.36	.03								.04	.20	3.80	
OHIO																																		
Claysville ²	Washington			1.50	.01					.21			.55	T.	.37	.39		1.10				.07							.07				4.27	
Coraopolis ²	Allegheny	.01		1.05	.27		T.			.25	T.		.64		.85	.01	.01	.74		.01		.27	T.	T.					.04	.10	T.	T.	4.25	
Midland ²	Beaver	.01		.95	.28		.12			.43	T.		.36		1.10	.10	T.	.70		.04		.23	.01						.11	T.	.02	.08	4.54	
Mt. Lebanon	Allegheny	T.	.13	1.70			T.		.12	.22			.27	.02	.43	.26	1.18		T.	.02		.25	T.	T.					.18	.01		.22	5.01	
Washington ¹	Washington		.59	*	.69				.18	.05		.53		.37	.11		.80		.03			.16						.03	.07		.02	.13	4.06	
LAKE DRAINAGE																																		
Erie ¹	Erie	T.	.21	.68		.01	T.		.06	.12		T.		.24	T.		1.14	.14	.01			.24	.01	T.					.12	.12	.01	.11	3.22	
Raymond ¹	Potter	.01	.19	1.22	.01				.22	.32		.44	.01	.27	.33		.58	.01	.03			.09	.09					.03	.25	.38	.06	.15	4.69	

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ⁵ Precipitation for period, 1:30 a. m. of date on which amount is recorded to 1:30 a. m. following date. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. § Incomplete or missing. † Daily amounts inconsistent. T, (trace), when precipitation is less than .01 inch. // Record partially estimated.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind §				Relative Humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Erie.....	29.87	30.33	25	28.82	9	9.6	34	w.	9	84	...	84	34
Harrisburg.....	29.88	30.31	26	28.80	3	10.2	40	sw.	9	78	53	61	49
Kylertown.....	29.88	30.30	26	28.94	9	14.8	48	sw.	9	83	66	74	...
Philadelphia.....	29.88	30.31	27	28.78	3	14.6	53	sw.	9	78	55	64	49
Pittsburgh.....	29.88	30.24	25	28.90	9	13.5	46	sw.	9	78	59	70	42
Reading.....	29.88	30.33	27	28.46	3	14.2	51	s.	9	69	51	43†	48
Scranton.....	29.88	30.31	27	28.87	3	7.7	27	nw.	9	80	65†	52§	47

* For any five-minute period. § Corrected to true velocities
† Local noon § 3:00 p. m. † 4:00 p. m.

RIVER CONDITIONS

Stations	Rivers	Mean Stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	4.6	10.1	10	2.2	1†	18
Easton	Delaware	6.0	15.5	10	1.8	2	22
Lehigh	Lehigh	4.4	5.2	18	3.1	2	9

Daily Temperatures for March, 1942

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Allentown ²	Maximum....	47	45	41	50	53	51	62	68	64	63	61	48	50	37	46	43	49	52	50	57	55	48	41	46	53	59	59	46	43	52	41	51.0	
	Minimum....	31	29	32	35	30	31	30	30	32	34	27	27	26	23	34	34	36	38	39	32	34	35	32	30	27	28	32	33	34	31	34	31.7	
Altoona (near).....	Maximum....	38	36	35	38	50	46	56	60	54	42	48	47	45	43	49	47	70	64	44	59	51	47	41	46	59	57	58	55	41	47	44	48.8	
	Minimum....	27	18	28	27	26	30	26	30	28	28	25	34	22	34	36	35	38	35	30	26	36	33	26	20	27	24	32	35	26	31	28.9		
Arendtsville.....	Maximum....	45	41	38	46	51	49	62	63	60	51	64	61	52	52	47	46	73	73	49	62	56	52	45	51	62	56	57	55	36	53	46	53.4	
	Minimum....	33	25	31	33	29	35	27	35	38	34	28	42	26	35	35	40	39	41	37	26	34	37	33	30	26	29	27	36	30	23	35	32.5	
Bedford.....	Maximum....	38	38	37	41	49	46	59	62	56	45	64	58	50	50	54	53	41	47	43	50	52	50	58	54	49	62	61	58	57	36	50	52.0	
	Minimum....	30	18	29	29	21	32	23	25	32	29	23	33	23	37	39	39	39	38	36	33	26	33	35	28	25	23	36	36	36	28	30	34	30.3
Bethlehem ³	Maximum....	48	48	40	50	53	50	63	68	64	48	61	48	55	41	47	43	50	52	50	58	54	49	42	46	53	62	61	42	52	42	50.9		
	Minimum....	37	33	36	36	34	36	38	36	34	34	35	30	35	35	35	37	37	37	30	36	34	39	35	34	32	32	36	36	35	32	35	35.2	
Bloomsburg (near).....	Maximum....	44	45	38	48	53	49	60	64	64	43	56	51	46	40	49	41	55	54	49	56	51	53	40	47	55	59	61	45	40	49	45	50.0	
	Minimum....	29	21	30	33	24	32	22	26	32	30	20	39	19	32	34	35	35	38	36	21	29	34	30	29	20	21	26	30	30	31	27	28.8	
Blue Mt. Interchange ³	Maximum....	46	40	40	46	50	50	62	64	62	62	60	54	52	52	42	42	68	58	50	63	62	52	42	52	61	58	59	44	30	62	50	53.4	
	Minimum....	33	24	32	30	28	35	28	35	34	34	34	28	38	32	33	37	38	42	36	29	36	32	32	28	23	24	29	31	29	22	30	31.3	
Bradford.....	Maximum....	32	37	37	42	47	39	56	60	38	35	51	47	42	40	41	42	65	55	35	51	52	46	31	38	50	53	61	60	35	44	39	45.2	
	Minimum....	25	15	27	25	39	33	43	27	24	11	9	27	13	33	32	33	39	32	16	27	26	25	23	13	18	24	29	31	22	25	25.8		
Breezewood Intchg ³	Maximum....	42	37	40	44	52	48	59	62	57	40	57	58	54	46	46	46	54	54	66	54	66	54	48	40	50	62	60	56	46	36	56	40	52.3
	Minimum....	26	24	22	27	27	34	28	33	32	32	33	28	26	36	38	38	42	42	38	36	30	38	32	30	28	26	32	38	34	28	30	34	31.8
Brookville ²	Maximum....	34	34	38	43	49	42	57	62	35	40	36	37	41	43	56	51	40	49	41	45	58	48	39	35	45	57	59	63	37	45	48	46.9	
	Minimum....	24	16	28	27	23	25	19	25	25	26	16	25	20	32	35	29	40	46	30	17	17	30	27	18	19	19	23	36	29	24	25.3		
Burnt Cabins (near) ³	Maximum....	42	40	34	42	55	44	57	60	57	46	64	50	52	42	53	42	55	52	48	64	64	57	46	40	52	58	60	56	44	33	58	44	50.2
	Minimum....	26	18	28	26	22	32	24	32	31	31	24	26	20	33	35	38	36	36	34	24	37	32	29	23	20	21	26	30	27	22	28	28.1	
Butler.....	Maximum....	37	39	39	31	44	48	62	62	62	57	40	57	58	44	42	43	56	57	68	67	40	52	59	49	37	47	62	66	58	47	50	45	51.0
	Minimum....	27	25	23	28	31	29	34	35	30	28	22	33	22	37	35	36	44	37	32	20	39	29	28	26	28	28	31	30	28	30	30	30.2	
Carlisle.....	Maximum....	50	43	39	53	57	54	57	62	62	52	64	60	55	41	50	50	52	51	56	64	58	57	47	55	60	63	55	36	47	49	53.8		
	Minimum....	33	22	31	32	33	34	24	29	39	34	23	41	23	35	35	33	37	41	30	27	35	35	33	30	22	25	27	36	30	22	33	31.1	
Chambersburg.....	Maximum....	46	41	40	47	50	51	63	65	64	52	64	50	57	50	52	45	66	64	51	62	55	51	43	50	63	62	60	53	37	53	45	53.3	
	Minimum....	33	25	30	34	29	30	28	35	35	34	32	48	38	28	36	34	36	39	44	38	38	39	38	34	30	28	29	30	35	30	24	33	34.1
Claysville.....	Maximum....	38	39	37	38	49	43	56	63	58	58	59	49	44	46	60	57	68	60	49	60	58	43	47	55	62	65	69	63	49	52	4	52.9	
	Minimum....	27	21	30	23	38	29	35	21	23	28	35	29	38	30	34	45	53	36	37	23	43	35	31	21	26	31	42	33	30	29	31.4		
Coatesville.....	Maximum....	46	46	41	48	52	50	59	67	64	50	62	52	53	45	50	43	69	65	50	57	52	55	45	48	53	55	57	44	36	48	45	51.8	
	Minimum....	34	27	33	35	27	38	30	37	38	32	27	26	35	35	35	37	44	40	29	35	35	33	31	28	31	31	34	31	26	36	33.3		
Corry ²	Maximum....	40	40	33	40	40	38	53	57	54	37	50	31	42	44	41	60	63	37	34	54	48	33	32	42	50	57	65	28	38	40	41	43.5	
	Minimum....	25	24	24	21	29	24	21	33	30	21	17	23	18	21	29	29	39	33	27	19	23	27	23	20	17	24	29	29	29	27	25	25.1	
Coudersport.....	Maximum....	34	38	36	49	49	44	58	61	54	38	48	46	47	38	43	40	67	58	42	54	55	45	35	45	53	59	64	56	36	47	41	47.7	
	Minimum....	20	16	25	23	25	24	13	25	25	20	11	32	12	30	30	35	30	27	15	24	22	17	13	15	23	27	24	24	20	24	20	22.6	
Derry.....	Maximum....	36	39	37	39	47	46	59	65	57	46	59	51	52	59	57	53	70	58	46	62	59	43	41	51	61	66	65	55	57	50	49	52.7	
	Minimum....	28	20	30	28	31	30	24	32	30	26	26	31	25	43	41	41	43	35	32	26	36	34	29	24	24	26	44	32	31	30	31	31.1	
Ebensburg.....	Maximum....	38	34	39	37	46	43	46	59	55	53	55	46	43	46	49	49	69	61	42	58	54	49	34	45	54	61	57	54	32	45	40	48.2	
	Minimum....	23	4	25	22	22	25	29	25	24	21	28	20	33	39	33	35	31	26	22	37	26	23	19	20	23	34	30	22	18	27	25.7		
Edinboro.....	Maximum....	33	38	38	40	45	52	52	50	35	49	42	40	43	43	47	60	45	37	50	33	34	33	38	49	55	62	59	54	39	38	44	45.6	
	Minimum....	26	26	31	31	26	31	36	25	25	33	30	25	36	35	33	45	35	34	33	33	29	29	12	16	22	44	36	36	30	30	30	30.4	
Emporium ²	Maximum....	35	40	35	44	50	43	60	63	39	36	50	38	44	40	51	48	69	40	44	52	51	37	36	45	53	56	61	49	37	45	40	46.3	
	Minimum....	29	19	20	29	26	28	22	26	32	27	13	18	20	21	35	34	38	36	32	20	22	32	27	19	20	24	26	29	27	26	25.9		
Ephrata.....	Maximum....	48	46	41	51	54	53	63	68	64	51	64	55	54	50	47	45	66	62	51	62	57	54	45	53	58	60	60	50	39	50	48	53.8	
	Minimum....	35	26	34	36	27	36	34	40	34	26	41	26	36	35	36	37	43	40	29	36	36	33	31	26	29	30	37	33	32	31	37	33.5	
Erie ³	Maximum....	30	40	33	38	40	36	56	57	54	37	53	37	40	38	33	54	64	39	36	47	52	37	35	39	41	44	67	51	39	40	36	43.4	
	Minimum....	30	31	29	24	31	28	33	47	26	27	29	31	28	33	32	32	32	37	32	31	34	29	30	31	29	30	37	33	33	32	32	31.5	
Franklin ²	Maximum....	35	40	33	43	44	41	55	59	38	42	57	38	43	49	58	60	66	40	42														

Daily Temperatures for March, 1942—Continued from page 20

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Midland.....	Maximum.....	37	41	38	40	47	45	56	64	56	44	60	51	41	50	53	56	68	55	46	58	57	42	52	61	69	64	65	65	48	50	4	52.2
Minimum.....	29	28	31	27	33	30	31	31	31	25	27	35	28	42	37	41	50	38	31	27	39	36	36	27	29	31	33	31	31	38	41	39.5	
Montrose ²	Maximum.....	36	38	32	37	43	37	47	59	57	37	48	40	47	33	36	37	54	40	48	48	31	33	35	38	50	48	48	49	38	37	41.8	
Minimum.....	23	28	26	26	23	23	21	26	40	24	27	22	22	27	29	25	32	36	29	25	25	29	21	23	22	22	25	21	26	24	2	26.1	
Mt. Lebanon.....	Maximum.....	38	39	32	41	47	43	55	62	54	4	6	4	15	60	53	56	70	45	18	58	55	43	40	51	60	62	65	52	42	52	49.6	
Minimum.....	27	27	29	26	31	28	32	41	29	29	33	3	30	11	36	4	15	35	32	28	38	32	3	21	29	34	40	41	32	3	29	32.6	
Mt. Pocono.....	Maximum.....	37	45	40	45	45	43	50	59	55	36	48	56	10	29	4	38	35	41	52	50	36	31	34	43	55	56	54	31	41	35	43.2	
Minimum.....	29	33	20	26	26	28	20	39	30	23	18	30	29	16	28	20	28	28	30	25	39	25	21	22	18	20	25	30	25	26	27	29.7	
Neshaminy Falls.....	Maximum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Minimum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
New Castle.....	Maximum.....	38	42	40	45	4	35	60	60	58	44	59	59	45	52	52	54	67	62	46	59	59	53	43	50	59	66	67	67	45	5	52	53.0
Minimum.....	29	26	31	31	31	28	29	32	30	30	24	34	24	38	35	34	50	28	33	23	40	30	31	23	23	27	34	34	33	29	31	31.1	
Sewell ³	Maximum.....	38	39	32	41	47	43	59	63	37	47	60	46	51	69	55	68	69	46	49	61	59	44	48	54	62	67	67	48	42	51	4	51.2
Minimum.....	28	31	29	28	31	29	28	30	29	32	30	37	32	44	40	50	46	37	34	27	39	32	34	28	30	33	43	32	37	39	34	34.3	
Palmerton ³	Maximum.....	46	45	38	51	52	50	61	67	64	47	57	49	50	4	50	42	47	51	52	59	52	46	41	40	53	62	60	43	43	52	58	60.1
Minimum.....	32	30	33	32	28	35	27	32	36	34	24	29	23	34	34	36	37	38	35	32	33	35	33	31	25	31	32	35	33	33	33	32.1	
Philadelphia Airport Station ⁵	Maximum.....	47	47	46	52	53	51	62	69	63	52	63	56	53	42	38	41	71	60	52	59	56	51	45	48	55	55	56	46	40	52	47	53.0
Minimum.....	35	30	36	35	30	36	31	47	37	35	30	36	31	37	36	34	38	11	36	23	27	34	31	23	30	33	33	33	32	32	37	34.4	
City Office ³	Maximum.....	49	45	45	51	52	51	62	67	62	51	60	57	54	41	47	43	70	59	51	59	56	51	44	49	56	55	56	41	40	59	46	52.4
Minimum.....	39	36	36	37	38	38	38	47	39	35	37	41	36	38	36	37	38	43	39	35	41	34	35	35	36	39	36	36	33	32	38	37.2	
Franklin Institute ²	Maximum.....	49	47	46	50	53	50	62	68	58	52	63	54	54	41	48	49	70	58	51	60	57	51	41	49	55	57	57	45	45	51	46	52.9
Minimum.....	38	37	38	38	36	37	37	39	47	36	37	41	34	32	36	37	34	42	42	35	41	38	36	34	33	35	37	37	37	34	37	37.2	
Shawmout.....	Maximum.....	45	46	45	50	52	52	63	68	62	51	62	59	53	51	49	47	59	68	59	68	66	56	49	54	58	60	58	42	50	45	54	54.0
Minimum.....	35	30	36	35	27	37	29	39	41	35	27	43	26	38	36	35	38	41	35	31	37	34	34	32	24	30	31	24	33	31	38	34.0	
Phoenixville.....	Maximum.....	50	48	48	54	55	55	66	71	71	60	64	65	56	57	50	51	58	71	55	62	65	59	54	52	59	60	63	50	52	54	57.9	
Minimum.....	32	24	34	34	22	37	24	33	42	31	21	34	21	37	36	33	38	36	31	27	32	34	32	30	21	25	26	29	33	30	34	30.7	
Pittsburgh Arpt Sta. ³	Maximum.....	35	38	32	37	45	40	57	62	58	44	50	43	48	58	53	61	68	43	47	57	55	42	45	52	60	62	65	48	41	50	40	49.8
Minimum.....	27	26	29	26	31	28	41	41	29	32	31	30	41	37	45	43	33	31	31	36	31	30	25	39	31	41	31	31	31	31	22	32.3	
Pittsburgh City Office ³	Maximum.....	37	41	43	40	47	44	58	64	60	46	49	50	44	54	65	69	45	48	59	57	43	46	52	61	64	66	52	42	51	43	51.6	
Minimum.....	31	30	31	29	34	30	34	38	32	33	32	35	31	41	40	45	45	37	35	32	38	35	31	32	32	34	40	34	33	34	31	31.6	
Port Clinton.....	Maximum.....	44	43	49	46	50	51	59	64	73	44	55	59	48	49	47	47	45	49	48	55	58	54	46	41	52	56	57	57	41	49	49	51.2
Minimum.....	34	25	33	32	25	35	27	50	36	33	23	40	22	34	34	38	35	35	34	33	33	32	32	30	22	25	28	25	33	32	33	31.4	
Pymatuning Dam ²	Maximum.....	38	38	30	38	49	36	52	54	32	38	51	34	42	48	46	60	62	38	40	54	48	36	38	45	50	60	61	36	42	48	26	44.5
Minimum.....	26	28	28	24	26	30	26	32	26	24	28	18	22	30	32	42	36	32	24	24	32	28	28	26	24	30	32	32	28	28	20	28.4	
Quakertown.....	Maximum.....	47	46	42	47	49	49	59	66	62	47	58	52	50	48	46	45	50	56	49	56	55	54	41	45	51	56	56	54	40	50	48	50.7
Minimum.....	33	26	32	33	24	33	26	30	38	31	24	33	21	33	33	32	35	38	38	31	30	32	31	27	24	27	28	31	28	32	30.3		
Reading ³	Maximum.....	47	47	43	49	51	51	62	66	68	49	63	53	53	41	47	43	52	51	50	60	57	48	43	49	56	58	59	45	38	50	44	51.4
Minimum.....	36	32	35	37	32	39	35	47	36	35	30	37	31	36	36	37	37	41	37	36	37	36	33	33	30	33	36	36	33	35	37	35.5	
Ridgway ²	Maximum.....	33	40	36	35	49	42	57	63	39	38	55	35	43	39	52	53	68	40	43	57	53	37	34	45	57	60	63	43	40	46	36	46.1
Minimum.....	23	16	15	27	27	16	18	23	27	25	14	18	18	35	30	38	36	31	16	16	31	26	17	16	16	19	33	28	21	23	23.3		
Scranton ³	Maximum.....	40	44	38	42	52	43	60	66	64	43	56	49	49	40	43	42	59	52	45	53	55	43	37	38	45	56	60	42	43	46	38	47.8
Minimum.....	35	32	30	32	37	34	28	38	30	33	29	32	26	35	31	36	38	34	32	36	32	31	29	29	29	30	33	36	31	32	31	32.5	
Selingsgrove.....	Maximum.....	46	44	41	45	51	52	59	65	64	51	58	57	47	43	49	51	53	52	51	60	59	52	41	51	57	58	58	58	40	47	46	51.8
Minimum.....	32	23	31	34	24	33	26	31	35	32	23	29	23	34	35	38	37	39	36	26	31	32	31	28	22	24	36	37	30	28	27	30.7	
Sharou.....	Maximum.....	37	41	41	40	44	44	60	61	61	45	59	57	40	48	48	52	61	59	45	61	60	44	43	49	58	65	69	69	44	51	51	51.8
Minimum.....	30	31	32	33	36	33	32	38	31	30	28	31	29	38	36	37	51	38	32	27	36	34	32	30	28	32	37	30	34	36	33	37	
Somerset.....	Maximum.....	31	34	35	33	43	41	56	56	52	43	55	55	48	55	55	57	61	62	41	57	57	51	37	47	58	55	54	54	45	47	46	48.9
Minimum.....	25	10	27	23	27	27	15	19	26	25	25	32	22	37	39	39	40	34	29	24	40	31	25	23	22	21	34	32	26	28	27.5		
Springs.....	Maximum.....	34	33	29	33	48	36	58	53	51	45	56	50	56	60	49	68	54	41	59	52	39	37	47	58	55	56	49	37	46	40	47.4	
Minimum.....	23	9	25	22	25	27	20	25	23	19	28	28	22	30																			

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER

HARRISBURG, PA.

VOL. XLVII.

APRIL, 1942

No. 4

GENERAL SUMMARY.

The mean temperature for the month was well above normal and the accumulated average daily excess for the year is now 1°. With the exception of 1941, the average temperature was the highest obtained for April since 1921. Maximum temperatures of 90° and higher were common at the close of the period.

Precipitation, most of which occurred in the early part of the month, was again below normal, and the accumulated deficiency for the year increased to 1.81 inches. Greatest amounts were concentrated in the period, April 9-11th, when most stations observed snow and sleet mixed with rain. Glaze in exceptional amounts was reported at many stations from the mountains eastward. Heaviest amounts accumulated at stations in the mountains, where coatings up to 1 inch covered exposed surfaces. Wires were torn down and many trees broke under the weight of the ice. As a result of the heavy precipitation in this storm, streams in western Pennsylvania rose rapidly. Some of the smaller streams overflowed their banks but crests, generally, were under flood-stage. The water receded after a short time and only minor damage was reported.

Frequent precipitation during March and early April had kept forest fires to a minimum. From mid-April on, as precipitation was lighter and more irregular, fires were reported almost daily from every district in the State. By the end of month, approximately 1200 fires, affecting about 25,000 acres, had been reported. This record, while lower than usual for April, was comparatively high, considering the fact that only during the latter half of the month was the weather conducive to fires. Adequate protective measures kept losses at a low level.

Mild thunderstorms occurred on scattered dates. An aurora was observed at many stations in eastern Pennsylvania about the middle of the month.

G. W. S.

TEMPERATURE.

The average temperature for the State, as deduced from the reports of 75 stations, was 52.8°, which is 4.°1 above the 55-year average for April. The highest monthly mean was 57.0° at Hanover, and the lowest was 47.2° at Coudersport. Extremes ranged from a maximum of 94° at Carlisle, Palmerton,

Phoenixville, and Williamsport on the 30th, to a minimum of 14° at Coudersport and Kane on the 13th.

PRECIPITATION.

The average precipitation from rain, sleet, and melted snow, for the State, as deduced from the observations at 190 stations, was 2.21 inches, which is 1.21 inches below the 55-year average for April. The greatest monthly amount was 4.93 inches at Indiana, and the least, 1.08 inches at Tanners Falls. The greatest amount for any observational day was 3.30 inches at at Johnstown on the 9th.

The average snowfall for the State was 4.5 inches, which is 2.3 inches above the 55-year average for the month. The greatest total snowfall was 15.0 inches at Hollisterville; the greatest 24-hour snowfall was 9.5 inches at Kylertown on the 10-11th.

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	47.2	92	12	2.52	1.3	8	14	10	6
1889.....	49.7	85	14	4.50	0.9	11	11	8	11
1890.....	48.6	85	12	3.46	0.4	10	14	9	8
1891.....	49.8	87	11	2.08	1.2	8	13	9	8
1892.....	46.9	85	14	2.04	1.1	10	10	10	10
1893.....	47.7	85	16	4.74	0.6	14	7	10	13
1894.....	48.0	83	5	3.62	14.7	11	11	8	11
1895.....	49.2	90	5	3.76	0.2	10	10	8	12
1896.....	53.0	97	4	1.75	0.9	8	10	10	10
1897.....	49.0	92	12	3.30	0.3	10	12	9	9
1898.....	45.6	84	4	2.93	2.5	12	9	8	13
1899.....	50.2	92	2	1.76	0.5	6	15	9	6
1900.....	49.2	90	13	1.57	0.9	8	14	8	8
1901.....	47.2	95	10	5.41	4.9	11	9	5	16
1902.....	48.0	91	20	3.56	3.0	9	8	10	12
1903.....	48.8	90	12	3.53	T.	10	11	7	12
1904.....	44.7	86	9	3.45	1.0	13	5	8	14
1905.....	48.4	84	16	2.84	2.8	12	9	11	10
1906.....	50.0	89	12	3.13	0.6	9	14	8	8
1907.....	43.6	84	8	2.64	4.0	11	10	7	13
1908.....	49.8	89	0	3.51	1.0	12	12	8	10
1909.....	48.5	87	8	5.39	2.6	13	10	9	11
1910.....	52.6	89	13	5.07	0.6	13	10	9	11
1911.....	46.2	84	6	3.79	4.4	13	11	7	12
1912.....	50.2	83	18	4.39	1.6	15	10	7	13
1913.....	50.6	90	17	3.82	0.2	11	12	6	12
1914.....	47.3	93	5	4.66	1.1	14	10	8	12
1915.....	53.9	98	15	1.92	1.6	8	13	10	7
1916.....	48.0	87	16	3.65	5.6	14	9	9	12
1917.....	48.5	87	14	2.08	2.6	9	11	10	9
1918.....	48.2	81	12	4.53	10.8	14	10	9	11
1919.....	48.5	90	6	2.70	1.2	11	10	10	10
1920.....	46.0	87	8	4.39	3.0	16	9	9	12
1921.....	55.3	96	10	3.11	0.8	11	13	7	10
1922.....	50.1	91	11	3.17	0.4	12	12	9	9
1923.....	48.3	89	-5	2.94	1.9	9	14	8	8
1924.....	46.5	82	6	4.15	7.4	12	13	7	10
1925.....	51.3	96	9	2.32	0.5	10	15	7	8
1926.....	44.9	84	9	2.03	0.9	9	12	9	9
1927.....	47.7	92	17	3.52	1.0	13	12	7	11
1928.....	46.0	88	11	5.50	6.5	13	12	8	10
1929.....	51.4	94	19	6.12	1.1	15	9	8	13
1930.....	48.2	92	9	2.71	1.1	10	11	8	11
1931.....	48.4	85	16	3.33	2.3	10	14	6	10
1932.....	47.0	86	14	1.71	1.2	8	14	6	10
1933.....	50.9	89	15	4.49	0.5	13	12	8	10
1934.....	48.9	86	14	3.06	0.6	11	13	8	9
1935.....	47.1	91	12	2.56	2.9	11	11	7	12
1936.....	46.1	90	14	3.01	1.3	14	8	8	14
1937.....	47.7	89	19	5.53	0.2	14	9	8	13
1938.....	51.3	92	11	2.85	3.5	10	13	7	10
1939.....	46.7	90	9	3.70	1.0	15	7	9	14
1940.....	45.1	82	9	5.30	2.3	12	9	7	14
1941.....	55.1	94	18	2.01	T.	6	17	7	6
1942.....	52.8	94	14	2.21	4.5	7	13	8	9
Period.....	48.7	98	-5	3.42	2.2	11	11	8	11

Climatological Data for April, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers	
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy			Cloudy
Atlantic Drainage																				
Allentown.....	Lehigh.....	254	30	53.0	+4.6	92	30	27	14	1.82	-1.89	0.93	10	T.	7	14	9	7	sw.	Allent'n-Bethlehem, Gas Co.
Altoona (near).....	Blair.....	1,615	55	52.8	+5.1	88	30	25	13	3.30	-0.22	1.94	9	0	8	12	15	3	w.	City of Altoona.
Bedford.....	Bedford.....	1,120	10	54.2	+3.8	88	30	23	14	2.43	-0.88	1.73	10	T.	3	13	7	10	nw.	Charles C. Lee.
Bethlehem.....	Northampton.....	364	56	54.8	+3.6	91	30	30	9†	1.46	-2.04	0.92	9	2.0	6	19	6	5	nw.	Lehigh University.
Bloomsburg (near).....	Columbia.....	610	16	51.6	.....	91	30	23	14	2.11	.....	0.88	10	5.0	7	6	15	9	nw.	Benjamin F. Conner.
Burnt Cabins (near).....	Huntingdon.....	990	1	52.8	.....	93	30	22	14	2.02	.....	1.42	9	T.	4	14	6	10	nw.	Penna. Turnpike Comm.
Carlisle.....	Cumberland.....	473	73	56.8	+4.9	94	30	27	14	1.91	-1.45	0.98	9	T.	5	17	7	6	nw.	Clarence E. Miller.
Chambersburg.....	Franklin.....	600	45	55.7	+5.5	91	26†	29	14	1.62	-1.62	1.07	10	0	6	15	11	4	sw.	William B Spear.
Coatesville.....	Chester.....	431	55	55.6	+5.3	90	30	28	14	1.39	-2.37	0.82	9	T.	4	9	7	14	nw.	Howard L. Pyle.
Eagles Mere.....	Sullivan.....	2,020	1	.....	.....	.....	.....	.....	.....	1.86	.....	0.96	10	8.6	7	12	10	8	ne.	Carl E. Bigger.
Emporium.....	Cameron.....	1,033	57	51.3 ^c	+4.7	88*	30	22	14	2.56//	-1.13	0.79	10	2.0	10	18	0	12	w.	E. M. Poorman.
Ephrata.....	Lancaster.....	365	45	55.4	+5.2	91	30	27	14	1.41	-1.79	0.76	9	T.	4	13	4	13	s.	Ira J. Keath.
Freeland.....	Luzerne.....	1,970	49	50.8	+6.6	83	30	25	8	1.69	-2.89	1.11	9	8.4*	6	4	5	21	w.	Andrew B. Evansha.
Gettysburg.....	Adams.....	553	69	56.4	+5.4	92	30	29	14	1.63	-2.00	0.76	9	0	6	16	10	4	w.	Dr. Henry Stewart.
Gordon.....	Schuylkill.....	900	38	51.2	+3.7	88	30	21	14	1.45	-2.75	0.54	10	8.0	5	18	7	5	w.	Miss Sallie M. Johnson.
Hanover.....	York.....	600	38	57.0	+4.7	91	30	30	13	1.59	-1.74	0.69	9	T.	6	17	5	8	s.	Evening Sun.
Harrisburg Airport.....	York.....	351	73	56.0	+5.1	92	30	30	14	1.54	-1.15	1.08	9	T.	8	7	11	12	nw.	U. S. Weather Bureau.
Hawley.....	Wayne.....	900	24	50.3	+5.1	87	25†	21	14	1.65	-1.57	0.79	10	9.9	8	18	8	4	w.	Mrs. Della M. Pennell.
Holtwood.....	Lancaster.....	200	27	55.4	+4.3	90	30	36	13†	1.29	-1.55	1.03	10	0	8	15	10	5	nw.	Penna. Water & Power Co.
Huntingdon.....	Huntingdon.....	700	55	54.0	+4.7	93	30	22	14	1.76//	-1.73	1.18*	9	T.	8//	18	7	5	w.	Prof. Paul R. Yoder.
Kylertown.....	Clearfield.....	1,700	13	50.2	+4.6	86	30	25	13	1.88	-1.07	1.24	8-9	9.6	8	5	9	16	w.	U. S. Weather Bureau.
Lancaster.....	Lancaster.....	255	55	55.6	+6.4	93	30	24	14	1.67	-1.59	0.76	9	T.	5	20	3	7	nw.	Lancaster Water Bureau.
Lawrenceville.....	Tioga.....	996	45	51.2	+5.3	89	30	24	13	1.55	-1.43	0.55	10	1.0	11	14	7	9	n.	Carlos P. Darling.
Lebanon.....	Lebanon.....	469	58	53.9	+3.7	92	30	29	14	1.59	-1.90	1.16	10	T.	7	24	3	3	sw.	Lebanon Valley Gas Co.
Lewistown.....	Mifflin.....	467	4	.....	.....	.....	.....	.....	.....	2.06	.....	1.29	10	T.	6	11	8	11	.....	Penna. Edison Co.
Lock Haven.....	Clinton.....	557	52	53.3	+3.0	92	30	26	14	1.77	-1.81	0.78	10	10.0	9	13	7	10	ne.	William R. Kelley.
Marcus Hook.....	Delaware.....	12	16	56.0*	+1.2	88*	30	36*	10	1.21	-2.55	1.04	10	0	4	21	3	3	sw.	Sun Oil Co.
Montrose.....	Susquehanna.....	1,176	37	47.5	+3.5	81	30	26	12†	1.64	-1.58	0.52	10	10.8	13	13	7	10	nw.	Harry S. Fancher.
Mt. Pocono.....	Monroe.....	1,720	36	49.6	+7.5	82	30	25	12†	.....	.....	0.60*	9	11.0	5*	17	3	10	w.	Cecil J. Hoskinson.
Neshaminy Falls.....	Bucks.....	80	53	54.4	+5.3	90	30	25	13	1.56	-2.19	0.80	10	0	2	23	3	4	w.	Phila.-Suburban Water Co.
Palmerton.....	Carbon.....	455	24	53.4	+6.3	94	30	24	14	1.32	-1.92	0.92	9	2.3	4	8	8	14	nw.	New Jersey Zinc Co.
Philadelphia City Office.....	Philadelphia.....	26	71	56.2	+4.1	88	30	36	9	1.35	-1.70	1.25	9-10	T.	5	11	11	8	sw.	U. S. Weather Bureau.
Phoenixville.....	Chester.....	100	32	56.2	+4.6	94	30	22	14	1.71	-1.81	1.46	10	T.	6	21	6	3	w.	Phila.-Suburban Water Co.
Port Clinton.....	Schuylkill.....	407	4	53.3	+3.6	90	30	24	14	1.44	-2.70	0.71	9	T.	4	24	4	2	n.	Earl E. Rarick.
Quakertown.....	Bucks.....	450	57	52.2	+3.8	89	30	23	13†	1.45	-2.61	0.69	9	T.	6	15	11	4	w.	John E. Benner.
Reading.....	Berks.....	273	72	55.8	+5.1	90	30	32	14	1.47	-1.80	1.05	9	T.	6	13	5	12	nw.	U. S. Weather Bureau.
Seranton.....	Lackawanna.....	746	48	52.6	+4.5	86	30	28	14	1.62	-1.25	0.74	9-10	8.3	9	11	8	11	nw.	U. S. Weather Bureau.
Selinsgrove.....	Snyder.....	476	52	53.6	+4.2	91	30	23	14	1.55	-2.12	0.82	9	6.0	4	12	11	7	sw.	Dr. George E. Fisher.
State College.....	Centre.....	1,217	58	53.3	+5.6	89	30	29	13	1.62	-1.98	1.20	9	6	2	8	6	15	nw.	Penna. State College.
Stroudsburg.....	Monroe.....	440	28	51.4	+3.4	93	30	23	14	1.58	-1.99	0.71	10	10.5	7	12	7	11	ne.	Metropolitan Edison Co.
Towanda.....	Bradford.....	754	48	51.6	+5.3	88	30	22	14	1.13	-1.96	0.39	9	6.8	10	8	12	10	ne.	Mrs. M. Ordella Parks.
Wellsboro.....	Tioga.....	1,319	72	48.0	+3.5	86	30	22	14	1.44	-1.62	0.72	10	7.0	7	11	10	9	w.	M. S. Bliss.
West Chester.....	Chester.....	440	93	54.9	+5.1	90	30	30	14	1.30	-2.44	1.08	9	T.	4	13	10	7	nw.	Clyde T. Saylor.
Wilkes-Barre.....	Luzerne.....	544	4	51.8	.....	86	26†	26	14	1.31	-1.62	0.72	9	.....	5	7	10	13	sw.	U. S. Communication Sta.
Williamsport.....	Lycoming.....	550	56	55.0	+6.1	94	30	26	14	1.79	-1.85	1.14	10	4.3	7	17	12	1	w.	John D. McEwen.
Williamstown.....	Dauphin.....	1,275	27	53.6	+4.3	86	30	28	10	1.49	-1.99	0.80	9	4.4	5	15	9	6	sw.	Susquehanna Collieries.
York.....	York.....	400	54	55.6	+4.7	91	30	25	14	1.74	-1.45	0.75	9	0	7	16	10	4	w.	York Water Co.
Division mean.....				53.5	+4.8	94	30	21	14	1.67	-1.75	1.94	9	6.8	7	14	8	6	w.	
Ohio Drainage																				
Bradford.....	Mc Kean.....	1,680	1	49.2	.....	85	30	20	13	2.76	-1.04	0.56	8	5.0	9	11	9	10	w.	City Water Dept.
Brookville.....	Jefferson.....	1,400	52	49.0	+4.3	85	26	23	13†	2.13	-0.77	1.00	9	.....	9	9	9	12	sw.	Civil Aeronautics Auth'y.
Butler.....	Butler.....	1,077	29	53.0	+5.2	91	26	24	14	1.65	-1.72	0.97	9	2.0	4	19	6	5	w.	Butler Eagle.
Claysville.....	Washington.....	1,150	37	53.4 ^b	+2.9	86 ^b	26	23 ^a	13	2.78	-0.61	1.47	9	.....	5	21	6	3	s.	George J. Melvin.
Corry.....	Erie.....	1,430	29	49.1	+4.6	88	30	20	13	2.66//	-0.96	1.10	10	1.3	13	14	2	14	w.	Penna. Electric Co.
Coudersport.....	Potter.....	1,653	15	47.2	+3.4	90	30	14	13	2.56	-0.96	0.84	3	5.4	8	15	6	9	nw.	Philip R. Shaw.
Derry.....	Westmoreland.....	1,150	45	54.4	+5.0	88	30	24	13	3.34	-0.39	2.14	9	2.0	8	10	13	7	w.	Miss N. Dixie Wineman.
Ebensburg.....	Cambria.....	2,090	25	50.8†	+5.9	84†	24†	21†	13	3.55//	+0.35	2.23	9	3.0*	7//	16	9	5	w.	Robert Wasser.
Edinboro.....	Erie.....	1,220	10	49.6 ^c	+4.3	85*	30	22 ^c	13	3.11	-0.78	0.90	10	.....	9	17	5	8	nw.	Wallace J. Snyder.
Franklin.....	Venango.....	987	68	50.8	+4.9	88	30	24	13†	2.76	-0.74	1.10	10	3.0	9	17	3	10	n.	William K. Fuller.
Greensburg.....	Westmoreland.....	1,160	33	55.3	+5.2	88	30	26	13	3.83	+0.43	2.49	9	1.2	10	7	14	9	sw.	Westmoreland Water Co.
Grove City.....	Mercer.....	1,350	45	54.4	+6.5	89	26	26	13	2.61	-0.80	1.02	9	1.0	7	13	7	10	w.	Prof. H. W. Harmon.
Indiana.....	Indiana.....	1,300	41	52.2 ^a	+3.0	85*	25†	26*	13	4.93	+1.05	2.39*	11	2.6	10	14	6	10	sw.	Indiana State Teachers Col.
Johnstown.....	Cambria.....	1,650	60	52.4	+2.7	88	30	25	13	4.67	+0.72	3.30	9	7.0	7	15	9			

Daily Precipitation for April, 1942

Stations	Counties	Day of month																															Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ATLANTIC DRAINAGE																																		
Delaware Basin																																		
UPPER DELAWARE																																		
Phugmans Ferry ² ..	Pike	.15			.06		T.		.05		1.01	.30								.04													1.61	
Hawley ² ..	Wayne	.19			.03	T.	.02		.08	.01	.79	.41	T.							.12													1.65	
Hollisterville ² ..	Wayne	.26	T.		.03		.02		.32	T.	.90	.34	.02	T.						.50	T.	T.	T.										2.39	
Matamoras ² ..	Pike	.18							.05		.73	.44								.20													1.60	
Mount Pocono	Monroe								.60		.40	.10	T.																				\$	
Paupack ² ..	Pike	.20			.03				*	*	.81	.38	*																				\$	
Pleasant Mount	Wayne	.12		.04	.03	.11			*	*	*	*	*	1.21							.08	.09											1.68	
Stroudsburg ² ..	Monroe	.26		T.	.02	T.	T.		.13	.10	.71	.35	.01																				1.58	
Tanners Falls	Wayne				.02	.03		.26		.23	.10	.39								.05													1.08	
LEHIGH																																		
Allentown ² ..	Lehigh	.18			T.		T.		.10	.32	.93	.26	T.	T.																			1.82	
Bethlehem ¹ ..	Northampton							.06	.01	.92	.43	.02																					1.46	
Blakeslee Corners	Monroe			.02				.12		.81	.40	.03																					1.38	
Gouldsboro ² ..	Wayne	.24			.05	T.			.18	.16	.71	.33	.03							T.		T.											1.73	
Lansford ² ..	Carbon	.30			.12				.10	.15	.93	.24	T.																				1.84	
Mauch Chunk	Carbon				.08	T.			.11	.90	.71	.06										T.											1.86	
Merwiusburg ² ..	Monroe	*			*	.53			.11		.09											T.											\$	
New Tripoli	Lehigh				.01				.07	.92	.56	.06	T.										T.										1.66	
Palmerton	Carbon			T.	T.			.07	T.	.92	.30	T.																					.04	
Zionsville	Lehigh							.04	.75	.61	.06																						.03	
																																	.02	1.48
SCHUYLKILL																																		
Conshohocken	Montgomery									1.02	.60																						1.62	
Fredericksburg ² ..	Berks								.05	.28	.74	.36	T.																	*	.63		2.06	
Freeland ² ..	Luzerne				.04				.12	1.11	.39	.02											.01	T.										1.69
Gratersford	Montgomery									.43	.87	.14																					.03	
Phoenixville ² ..	Chester	.01							T.	.02	1.46	.15	.05																				.01	
Port Clinton	Schuylkill								.08	.71	.63										T.	T.											T.	
Pottstown ² ..	Montgomery																																	.02
Pottsville ² ..	Schuylkill	.28				T.			.08	.15	.70	.42																						.03
Reading ¹ ..	Berks				T.	T.		.07	.01	1.05	.26	.05	T.																					.03
Wernersville ² ..	Berks																																	
LOWER DELAWARE																																		
Coatesville	Chester									.82	.48	.03								.06													1.39	
Doylestown	Bucks									.69	.56	.06																					T.	
Marcus Hook ² ..	Delaware									T.	1.04	.06	.02							.09			T.										T.	
Nesbitt Falls	Bucks									.76	.80	T.																					T.	
Philadelphia	Philadelphia																																	
Airport Station ⁵ ..	Philadelphia				T.					1.04	.06	.01									.01												.02	
City Office ¹ ..	Philadelphia				T.					1.14	.12	.02																					.01	
Franklin Inst. ²	Philadelphia									T.	1.43	.03									.05												T.	
Shawmont	Philadelphia				T.				T.	T.	.67	.70	.09	T.							.06												T.	
Quakertown	Bucks								.03	.69	.57	.10	T.																				.05	
West Chester	Chester								1.08	.14	.03									.05													T.	
West Grove ² ..	Chester									1.00	.06	.02								.18			T.										.02	
Susquehanna Basin																																		
CHEMUNG																																		
Covington ² ..	Tioga	.10		.03	.07	.12			.20		.50	.20		.10																			.05	
Lawrenceville	Tioga	.05		.05	.15	.12		.05	.15	.26	.55	.05	.05																				.07	
NORTH BRANCH																																		
Bloomsburg(nr.) ² ..	Columbia	.20		T.	.13	.01			.20	.47	.88	.22																						
Canton ² ..	Bradford	.23		.02	.09	.07			.14	T.	.86	.13	.03																				.09	
Danville ² ..	Montour	.11		.02	.15	.03			.08	.47	.95	.27																					.02	
Kellogg Mt Tower ² ..	Bradford	.15		T.	.04	.03	.02	T.	.16	.01	.72	.11	.05	T.																			.01	
Millville	Columbia				.15	.04		.26		.40	.29	.04																					T.	
Montrose ² ..	Susquehanna	.31	T.	T.	.04	.12	T.		.31	.01	.52	.21	.02	.01																			.04	
Pikes Creek ¹ ..	Luzerne				.08			.15	.01	.90	.46	.02																					.01	
Scranton ¹ ..	Lackawanna	.02		T.	.03	.02		.15	.01	.62	.37	T.																					.02	
Susquehanna ² ..	Susquehanna	.19		T.	.06	.01	.02		.30		.32	.16	.01																				.03	
Towanda	Bradford	.05		.01	.07	.05		.02	.13	.39	.36	.04	.01	T.																			.02	
Tunkhannock	Wyoming				.06			.05		.83	.35	.01																					.05	
Wilkes-Barre ⁵ ..	Luzerne	T.		T.	.06	T.		.23	T.	.72	.29	.01	T.																				T.	
WEST BRANCH																																		
Ansonia ² ..	Tioga	.09			.15	.06			.18	.04	.67	.04	T.	T.																			.02	
Bald Eagle	Blair			.12	.04			.09	.02	1.55	.37	.04																						
Bellefonte ² ..	Centre	.04			.02				.08	.51	.67	.15	.12																				T.	
Berwiusdale ² ..	Clearfield	.05	T.	.05	.02	.04	T.		.19	.78	1.17	.38	.06	*																			.04	
Carter Camp ¹ ..	Potter	.04		.23		.07		.16		*	*	*	*	1.29																				
Cedar Run ² ..	Lycoming	.12		.06	.17	.13			.12	.11	.70	.11																					.04	
Clearfield ² ..	Clearfield	.27	.08	.09	.19	.13	.05		.10	.45	1.20	.56	.14																				.03	
Driftwood ¹ ..	Cameron			.16		.10		.18	.02	*	1.28																						.03	
Du Bois(near)	Clearfield	.19		.02	.15	.04	T.	.13	.03	.31	.08	.01																					.15	
Dushore ¹ ..	Sullivan	.05		.01		.05		.19		.69	.23																						.15	
Eagles Mere ² ..	Sullivan	.25			.05	T.	.03		.20	T.	.96	.25	T.																				.12	
Emporium ² ..	Cameron	.39			.16	*	.05		.32	.21	.79	*	.45																				T.	
English Center ¹ ..	Lycoming			.06		.10		.07	.01	1.09	.14																						.19	
Galeta ¹ ..	Potter			.05																														

Day of month

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Daily Precipitation for April, 1942—Continued from page 25

Stations	Counties	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALLEGHENY (continued)																																	
Saltsburg ²	Indiana	.18	T.	.02	.13	T.	T.		.14	1.08	1.43	.42	T.						T.											.58		3.98	
Seward ²	Indiana	.23	.08		.18				.34	.91	1.23	.48	.11																	.22		3.78	
Snethport ²	McKean	.16		.02	.20			.05	.69	.05	.35	.43	.09						T.										T.	.29		2.33	
Somerset	Somerset	.52		.01	.16				.05	1.76	.35	.07	.02					T.		T.										.12		3.06	
Stroutstown ¹	Indiana	.06	.01	.21				.12	.16	1.82	.41	.23																		.14	.02	3.15	
Tionesta Dam ¹	Forest	.06	.04	.15	.01	.01		.54		1.29	.27	.08					*	.07											.24			2.79	
Titusville ¹	Crawford	.03	.02	.21				.65		1.02																				.06	.01	.01	2.56
Union City ¹	Erie	.10		.39		.05		.75		.57	.63	.03						.01															2.78
Vandergrift ³	Westmoreland	.02		.12				.01	.01	1.84	.14	.24																	*	.40		2.78	
Warren ²	Warren	.11	T.	.05	.25	.03		.01	.68	T.	.80	.10	.10					.01		T.										.39		2.53	
Youngsville ¹	Warren		.02	.28	.07	.02		.82		.73	.60	.11						.02											.44	.04		3.15	
MONONGAHELA																																	
Confluence ²	Somerset	.11	T.	T.	.18		†		.07	.40	1.66	.18	.07	T.					T.		T.									.43		3.10	
Connellsville ²	Fayette	.14	T.	.02	.16				.11	.63	.76	.25	.05																	.54		2.66	
Donora ¹	Washington	.04		.31				.08	.15	2.14	.25	.18						T.														3.15	
Greensboro ²	Greene	.02	.02	.01	.12		.21		.14	.41	1.35	.10	.04																		.13		2.55
Greensburg	Westmoreland	.04	.01	.02	.27		.05		.15	2.49	.47	.15						T.													.18		3.83
Irwila	Westmoreland	.13		.05	.13		.01		.11	2.36	.22	.12	.01					T.													.11		3.25
Meyersdale ²	Somerset	.10		.23		.09		.09	.38	1.29	.22	.15																					2.70
Murrysville ¹	Westmoreland	.06	.07	.24			.09	.23	2.23	.23	.24				.02																.35		3.76
Newell ¹	Fayette	.20		.04	.14				.08	1.55	.60	.02	T.																		.35		2.98
Pittsburgh Arpt. ¹	Allegheny	.02	T.	.28	.01		.08		.22	1.88	.23	.11						T.	T.	T.	T.									.25	T.		3.08
Springus	Somerset	.05		.04	.25	.01			.21	1.94	.32	.13	.02					.06		T.	T.										.30		3.33
Uniontown	Fayette	.06		.02	.13				.12	1.20	.25	.08	.02					T.													.34		2.22
Waynesburg	Greene			.06	.06				1.50	.14	.05																				.11		1.92
BEAVER																																	
Beaver Falls ²	Beaver	.08		.01	.04				.10	.60	1.12	.16	.08	T.							T.									.28		2.47	
Greenville	Mercer	.09		.63	.06	T.		.37	.73	.85	1.01	T.						.15														3.89	
Grove City	Mercer			.19				.41	.04	1.02	.78	.14						.03														2.61	
Mercer ³	Mercer	T.	T.	.13		T.		.58	.06	1.52	.38	.07						T.		T.										T.		2.71	
New Castle	Lawrence	.02		.04	.01			T.	.30	1.30	.30	.24						.02		T.		T.										2.23	
Penn Line ²	Crawford	.11		.05	.57	.02		.02	.98	.30	1.18	.24	T.						T.		T.		T.							.37		3.84	
Pymatung Dam ²	Crawford	.07		.02	.60			.01	.90	.56	1.10	.14	T.						.03											T.		3.43	
Sharon ²	Mercer	.05		.05	.17				.55	.55	1.22	.23	T.					T.		T.												2.82	
OHIO																																	
Claysville ²	Washington			.23					.12	1.47	.58	.38																		T.		2.78	
Corapolis ²	Allegheny	.13	.02	.04	.24		T.		.10	.63	1.04	.19	.01																	.01		2.41	
Midland ²	Beaver	.05	.01	.05	.10				.10	.58	1.29	.18	.03																	.01		2.40	
Mt. Lebanon	Allegheny	T.		.32	.02			.05	.17	2.16	.16	.16	T.					T.		T.										.05		3.09	
Washington ¹	Washington	.04		.24	.01			.11	.42	2.20	.20	.07																		.18	.03	.33	3.83
LAKE DRAINAGE																																	
Erie ¹	Erie		T.	.36		.07	.17	1.05		.35	.64	.05						.10														2.79	
Raymond ¹	Potter		.03		.46	.05	.06		.73		.50	.20						.06												.03	.06	2.18	

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ⁵ Precipitation for period, 1:30 a. m. of date on which amount is recorded to 1:30 a. m. following date. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. § Incomplete or missing. † Daily amounts inconsistent. T. (trace), when precipitation is less than .01 inch. // Record partially estimated.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind §				Relative Humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Erie.....	30.07	30.36	8	29.55	10	8.4	24	s.	2	76	....	70	60
Harrisburg.....	30.05	30.34	14	29.62	11	8.7	34	nw.	11	68	40	47	73
Kylertown.....	30.06	30.30	16	29.62	10	13.3	32	w.	7	76	48	55	...
Philadelphia.....	30.05	30.38	16	29.64	11	12.9	33	sw.	2	73	43	55	66
Pittsburgh.....	30.08	30.31	16	29.56	10	11.5	34	nw.	11	70	45	49	58
Reading.....	30.07	30.35	16	29.64	11	12.0	41	e.	16	64	39	38†	67
Seranton.....	30.07	30.30	9	29.61	11	7.4	22	nw.	19	77	56†	42	61

* For any five-minute period.
† Local noon § Corrected to true velocities
‡ 3:00 p. m. † 4:00 p. m.

RIVER CONDITIONS

Stations	Rivers	Mean stage	Highest stage	Date	Lowest stage	Date	Flood stage
Port Jervis, N. Y.	Delaware	4.1	5.6	9	2.7	30	18
Easton	Delaware	4.6	6.1	10	2.4	30	22
Lehigh	Lehigh	3.9	4.5	16	3.4	30	9
Reading	Schuylkill	4.1	4.8	13	3.2	30	13
Wilkes-Barre	N. Br. Susquehanna	7.7	9.8	5	4.1	30	22
Williamsport	W. Br. Susquehanna	6.3	11.2	4	2.4	30	20
Newport	Juniata	7.2	13.2	10	4.3	27	22
Harrisburg	Susquehanna	5.7	7.4	5	4.1	30	17
Schenley, Lock No. 5	Allegheny	16.5	24.5	10	13.0	28	24
Sutersville	Youghiogheny	5.7	14.6	10	3.7	28	20
Charleroi (nr.), Lock No. 4	Monongahela	13.5	21.7	10	11.2	27	30
Pittsburgh	Ohio	*	23.7	19	*		25
Midland, Dam No. 7	Ohio	*	32.0	11	*		30

* Pool stage

† On other dates also

Daily Temperatures for April, 1942

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown ²	Maximum.....	49	62	70	64	76	82	82	60	46	36	45	48	53	65	79	80	73	54	51	50	54	72	77	83	85	88	72	65	80	92	66.4
Altoona (near).....	Minimum.....	34	35	37	47	40	43	49	46	34	32	33	35	32	27	30	42	42	44	40	40	41	37	39	40	46	49	42	40	42	48	39.5
Arendtsville.....	Maximum.....	46	63	61	63	77	80	78	67	48	35	41	44	51	64	72	79	76	67	48	47	56	71	74	82	85	86	79	73	81	88	66.1
Bedford.....	Minimum.....	30	35	45	44	39	47	51	42	31	30	31	27	25	28	37	49	45	34	33	35	36	34	38	41	47	52	53	46	50	53	39.6
Bethlehem ³	Maximum.....	51	61	65	64	83	86	81	74	51	40	51	50	55	66	78	83	78	68	53	52	63	73	77	82	87	89	84	69	80	92	69.5
Bloomington (near).....	Minimum.....	35	27	45	46	40	51	50	50	40	33	35	33	31	28	38	56	42	40	37	40	45	36	41	43	52	52	45	41	48	52	41.7
Blue Mt. Interchange ³	Maximum.....	46	64	65	67	79	83	83	76	59	49	44	52	58	69	74	79	79	73	45	50	59	70	76	82	84	87	86	72	82	88	69.3
Bradford.....	Minimum.....	33	39	43	47	37	44	50	46	36	33	35	26	25	23	37	43	46	37	37	36	41	30	34	37	39	43	50	47	48	47	39.0
Breezewood Intchg ³	Maximum.....	48	62	71	64	78	83	82	61	46	34	42	46	52	64	78	80	73	57	50	48	52	72	80	86	86	88	71	63	80	91	66.3
Brookville ⁵	Minimum.....	36	38	50	50	45	54	61	43	30	30	32	34	33	30	43	44	43	42	40	40	41	42	48	46	58	50	45	40	47	60	43.2
Burnt Cabins (near) ³	Maximum.....	50	60	67	63	77	82	80	70	49	36	42	47	52	64	76	81	75	67	48	47	50	71	77	82	84	87	82	76	82	91	67.2
Butler.....	Minimum.....	32	25	40	41	33	38	42	41	32	32	33	32	26	23	35	42	40	42	39	36	40	28	30	34	34	44	38	38	49	43	36.1
Chambersburg.....	Maximum.....	46	68	68	66	80	82	81	73	62	40	50	48	55	65	76	81	76	62	64	58	61	73	77	84	87	90	74	70	80	90	69.2
Claysville.....	Minimum.....	36	30	40	44	44	52	54	40	34	33	32	33	32	30	42	50	42	40	40	40	46	37	42	42	51	54	50	41	52	54	41.9
Coatesville.....	Maximum.....	46	62	61	60	63	76	76	57	47	35	35	40	47	62	70	77	75	63	37	44	53	66	73	78	82	84	81	82	81	85	63.3
Corry ²	Minimum.....	29	28	40	39	35	47	48	30	30	30	28	28	20	22	53	42	46	30	31	31	27	26	29	38	41	41	41	45	40	45	35.0
Coudersport.....	Maximum.....	47	64	70	68	80	82	84	66	52	40	44	48	54	68	72	82	80	64	48	49	61	74	76	82	86	90	82	74	86	93	68.9
Derry.....	Minimum.....	36	36	49	46	47	48	52	34	32	34	32	34	26	32	34	44	46	40	38	40	43	46	36	42	50	50	52	54	52	54	41.9
Ebensburg.....	Maximum.....	44	62	58	58	69	78	64	54	35	37	37	44	50	62	71	78	70	42	40	47	58	68	74	80	82	83	72	82	79	84	62.2
Edinboro.....	Minimum.....	31	35	45	38	42	37	44	35	31	32	30	25	23	23	41	44	36	32	34	34	30	27	30	32	35	43	53	48	46	42	35.9
Emporium ²	Maximum.....	47	69	67	64	82	81	82	61	46	45	49	48	54	68	76	82	82	62	48	48	59	72	76	82	86	89	70	69	86	93	67.9
Ephrata.....	Minimum.....	32	30	42	40	38	44	50	43	34	30	30	24	22	26	44	40	41	36	37	38	28	32	34	40	43	50	43	50	52	47	37.7
Franklin ²	Maximum.....	50	61	64	63	74	79	79	75	55	40	40	46	47	63	70	78	81	80	50	50	58	67	72	80	83	91	85	84	86	85	67.9
Freeland.....	Minimum.....	30	37	50	44	40	38	49	38	35	36	34	27	25	24	38	42	48	34	34	35	29	31	35	37	44	46	45	55	45	45	38.0
Gettysburg.....	Maximum.....	57	64	71	66	81	86	84	77	55	40	53	52	58	74	81	86	80	78	58	57	66	75	79	84	90	85	82	70	83	94	72.2
Gordon.....	Minimum.....	34	33	45	46	39	46	50	49	35	31	36	35	32	27	51	46	43	40	42	40	36	38	40	51	44	42	45	50	55	41	41.4
Greensburg.....	Maximum.....	52	62	69	67	82	79	81	69	54	41	51	51	58	68	78	84	78	68	55	53	66	74	73	81	90	91	75	71	83	91	69.7
Hanover.....	Minimum.....	36	34	47	47	41	40	48	54	37	34	37	31	31	29	39	44	47	44	40	41	46	34	38	41	41	41	41	41	41	41	41.7
Harrisburg ³	Maximum.....	47	64	64	67	75	79	76	70	52	52	43	47	54	66	74	79	76	71	45	57	62	69	75	79	83	86	71	79	83	91	66.9 ^b
Hawley.....	Minimum.....	31	37	49	45	48	47	53	37	38	38	32	29	23	33	43	45	49	34	36	32	28	29	33	36	39	43	61	60	50	39.9 ^a	
Holtwood ³	Maximum.....	50	61	73	66	80	86	81	72	55	40	49	49	55	63	78	83	75	61	52	51	55	70	76	80	81	86	73	63	76	90	67.8
Huntingdon.....	Minimum.....	35	35	46	50	40	50	58	50	34	33	36	34	28	40	53	44	45	39	40	43	42	48	41	54	50	42	43	47	42	47	42.3
Indiana.....	Maximum.....	46	63	60	60	65	76	76	60	46	36	37	36	45	52	65	75	70	40	39	51	57	66	75	79	81	86	77	84	82	88	62.6
Irwin.....	Minimum.....	29	32	38	37	38	42	53	28	29	31	27	26	20	25	46	48	46	41	31	30	33	27	30	32	36	41	45	51	42	44	35.6
Johnstown.....	Maximum.....	56	60	55	41	56	78	69	58	48	34	38	46	52	63	74	79	74	68	36	45	50	70	79	82	84	86	71	84	85	90	63.7
Kane ⁵	Minimum.....	25	32	34	28	30	36	41	30	26	27	26	25	14	19	34	35	41	31	29	30	22	30	25	26	29	36	37	42	43	35	30.7
Kylertown ⁵	Maximum.....	47	64	66	65	76	80	78	66	55	49	42	47	54	67	78	83	79	74	73	44	52	57	70	76	81	83	85	80	86	85	67.9
Lancaster.....	Minimum.....	32	36	51	47	51	47	52	41	39	37	32	29	24	29	37	48	46	34	36	35	34	29	34	35	39	43	54	58	57	46	40.8
Lawrenceville.....	Maximum.....	46	65	65	60	75	79	76	76	60	39	39	43	50	64	72	78	71	60	40	41	56	72	79	84	84	84	76	78	84	85	65.5 ¹
Lebanon ²	Minimum.....	26	29	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32.1 ^a
Lewistown.....	Maximum.....	46	65	65	60	75	79	76	76	60	39	39	43	50	64	72	78	71	60	40	41	56	72	79	84	84	84	76	78	84	85	62.1 ^a
Lock Haven ²	Minimum.....	26	29	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32.1 ^a
Marcus Hook ³	Maximum.....	47	64	64	67	75	79	76	70	52	52	43	47	54	66	74	79	76	71	45	57	62	69	75	79	83	86	71	79	83	91	66.9 ^b
Mechanicville.....	Minimum.....	31	37	49	45	48	47	53	37	38	38	32	29	23	33	43	45	49	34	36	32	28	29	33	36	39	43	61	60	50	39.9 ^a	
Meadville ²	Maximum.....	50	61	73	66	80	86	81	72	55	40	49	49	55	63	78	83	75	61	52	51	55	70	76	80	81	86	73	63	76	90	67.8
Mercer ⁵	Minimum.....	35	35	46	50	40	50	58	50	34	33	36	34	28	40	53	44	45	39	40	43	42	48	41	54	50	42	43	47	42	47	42.3
Middletown ³	Maximum.....	46	63	60	60	65	76	76	60	46	36	37	36	45	52	65	75	70	40	39	51	57	66	75	79	81	86	77	84	82	88	62.6
Middleton ³	Minimum.....	29	32	38	37	38	42	53	28	29	31	27	26	20	25	46	48	46	41	31	30	33	27	30	32	36	41	45	51	42	44	35.6
Muncie.....	Maximum.....	56	60	55	41	56	78	69	58	48	34	38	46	52	63	74	79	74	68	36	45	50	70	79	82	84	86	71	84	85	90	63.7
Nanticoke.....	Minimum.....																															

Daily Temperatures for April, 1942 Continued from page 27

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Midland.....	Maximum.....	48	65	65	66	78	79	76	65	59	51	41	40	52	67	74	79	76	77	45	51	62	69	75	80	83	88	82	86	83	86	.....	68.5
.....	Minimum.....	34	35	47	45	45	48	56	36	38	39	32	31	27	30	47	44	49	37	38	36	34	34	38	38	41	45	57	58	55	49	.....	41.1
Montrose ²	Maximum.....	43	57	55	54	65	77	74	46	33	31	37	38	45	58	72	74	72	39	39	40	44	62	70	75	79	80	73	69	79	81	.....	58.7
.....	Minimum.....	28	30	30	13	40	45	45	33	32	28	28	26	26	26	29	47	43	36	32	31	32	33	35	42	47	51	43	41	41	17	.....	36.3
Mt. Lebanon.....	Maximum.....	49	65	64	67	77	80	70	60	49	51	42	47	55	67	75	81	75	63	42	57	61	68	74	80	83	85	82	86	80	86	.....	67.0
.....	Minimum.....	32	35	49	15	54	52	59	37	35	35	29	27	26	36	48	52	53	33	36	33	31	34	39	44	44	49	66	56	57	52	.....	42.6
Mt. Pocono.....	Maximum.....	45	54	63	63	72	80	75	73	49	33	39	36	55	55	75	70	75	68	37	37	40	70	75	78	79	80	76	63	76	82	.....	62.1
.....	Minimum.....	26	28	45	12	38	45	50	34	26	26	28	25	25	25	42	52	38	37	32	28	30	30	42	46	52	50	38	35	44	53	.....	37.1
Neshaminy Falls.....	Maximum.....	50	68	71	70	78	85	84	85	62	40	41	48	55	63	78	78	71	71	55	55	55	72	76	82	82	85	69	64	89	90	.....	69.1
.....	Minimum.....	34	38	42	36	40	56	54	50	35	35	34	32	26	40	85	46	42	43	39	42	41	35	34	40	41	42	38	39	42	45	.....	39.8
New Castle.....	Maximum.....	50	68	68	64	72	81	81	68	54	48	42	47	53	69	76	81	81	71	45	56	62	70	77	81	84	90	84	86	86	89	.....	69.5
.....	Minimum.....	32	34	50	42	49	40	51	26	37	37	33	22	23	28	46	49	57	33	37	33	29	30	31	34	37	42	56	54	50	49	.....	39.6
Newell ³	Maximum.....	46	64	67	67	75	80	75	63	43	54	57	45	60	68	74	81	74	50	42	45	60	70	76	81	83	88	89	86	79	88	.....	67.1
.....	Minimum.....	33	35	50	16	45	52	5	10	39	38	33	32	29	29	11	47	48	38	38	36	33	33	36	39	42	45	58	50	57	47	.....	41.1
Palmerton ³	Maximum.....	50	62	71	63	78	83	83	58	43	34	55	49	53	67	81	86	72	55	50	51	53	74	82	86	87	88	78	66	81	94	.....	67.6
.....	Minimum.....	35	33	50	40	38	47	47	40	29	29	31	35	30	24	41	47	43	42	39	39	40	34	36	39	43	47	39	42	49	50	.....	39.3
Philadelphia Airport Station ³	Maximum.....	51	61	72	67	81	87	81	66	52	41	47	51	55	64	77	80	72	59	52	52	55	72	75	81	82	85	70	65	70	90	.....	67.1
.....	Minimum.....	37	38	47	46	40	50	56	51	30	36	36	34	35	31	41	45	45	44	42	42	42	44	44	48	45	46	43	40	47	49	.....	42.5
City Office ³	Maximum.....	60	60	72	66	79	87	80	70	52	41	47	19	55	62	76	78	70	60	58	50	55	72	76	82	84	86	68	65	68	88	.....	66.7
.....	Minimum.....	37	41	49	52	44	55	61	52	36	36	37	37	37	41	45	45	45	45	43	42	44	46	52	53	56	52	43	42	47	56	.....	45.7
Franklin Institute ²	Maximum.....	50	63	72	66	78	88	80	64	41	41	48	48	55	64	77	78	72	58	59	50	55	71	76	82	81	87	72	67	79	88	.....	66.5
.....	Minimum.....	37	40	42	53	45	45	46	52	40	36	38	36	37	37	46	52	46	48	42	42	44	51	51	57	56	47	44	46	53	.....	45.0	
Shawmont.....	Maximum.....	49	62	72	72	78	85	84	75	64	11	45	49	54	64	78	77	75	75	58	51	54	72	77	83	83	88	87	66	71	90	.....	69.3
.....	Minimum.....	34	35	45	47	40	48	53	51	35	35	36	36	31	28	38	49	46	46	42	12	40	36	40	48	47	42	41	49	50	.....	41.8	
Phoenixville.....	Maximum.....	53	65	77	74	81	87	88	89	65	43	51	55	59	65	80	88	78	78	60	57	60	75	80	86	87	88	89	74	78	94	.....	73.5
.....	Minimum.....	32	35	45	47	34	42	49	49	35	34	36	35	28	22	33	46	45	45	38	40	41	32	33	35	39	41	36	41	50	46	.....	38.8
Pittsburgh Arpt Sta. ³	Maximum.....	45	61	61	66	75	79	68	53	43	51	40	45	53	66	73	80	74	48	41	55	50	70	74	80	83	87	82	85	80	87	.....	65.7
.....	Minimum.....	31	34	49	45	51	55	50	38	36	35	31	29	30	37	45	54	44	36	36	33	35	36	47	51	48	56	59	56	57	57	.....	43.4
Pittsburgh City Office ³	Maximum.....	47	65	65	67	77	82	69	55	46	51	40	46	54	67	75	81	76	48	43	51	61	68	76	83	87	81	87	81	87	81	.....	66.9
.....	Minimum.....	35	39	51	48	59	50	40	38	37	34	33	31	35	52	53	48	38	34	36	37	40	42	47	49	56	63	60	61	55	.....	45.2	
Port Clinton.....	Maximum.....	48	60	69	68	76	80	84	81	55	36	42	47	51	62	76	82	74	68	53	52	52	70	75	80	85	85	83	75	86	90	.....	68.0
.....	Minimum.....	35	29	42	48	35	44	45	42	33	32	35	35	33	24	35	44	43	43	40	38	41	29	35	37	41	47	37	40	47	49	.....	38.6
Pymatuning Dam ²	Maximum.....	46	66	58	62	60	76	62	51	38	42	36	44	54	64	74	78	68	44	42	50	60	66	.....	78	78	82	78	82	82	86	.....	62.3 ^a
.....	Minimum.....	32	30	38	40	40	43	43	32	33	36	31	30	23	26	35	52	54	34	34	30	21	29	32	34	38	44	58	52	46	52	.....	37.7
Quakertown.....	Maximum.....	50	59	70	67	75	82	80	74	57	36	44	48	51	63	76	79	71	69	51	48	54	69	75	80	85	85	80	63	74	89	.....	66.7
.....	Minimum.....	31	32	43	44	35	43	48	44	31	31	32	33	23	23	38	54	40	41	38	39	38	34	34	35	41	43	37	36	42	45	.....	37.6
Reading ³	Maximum.....	50	62	71	64	78	86	81	64	49	39	43	48	55	66	79	82	72	60	53	51	55	73	78	84	87	87	72	66	79	90	.....	67.5
.....	Minimum.....	37	39	50	49	42	52	58	48	35	35	35	35	35	35	46	48	45	45	41	41	43	42	45	47	52	52	46	42	50	56	.....	44.1
Ridgway ²	Maximum.....	47	63	60	60	67	78	63	52	37	37	32	39	50	65	73	80	74	42	38	48	57	70	78	82	86	87	73	83	85	88	.....	63.2
.....	Minimum.....	30	31	35	43	35	37	37	36	30	30	30	25	18	19	21	38	41	31	33	33	35	26	26	28	31	31	40	49	50	39	.....	32.9
Scranton ³	Maximum.....	48	59	63	60	72	80	77	61	39	38	40	43	48	62	75	79	72	48	45	44	50	66	74	80	84	84	76	70	82	86	.....	63.4
.....	Minimum.....	32	36	51	44	42	44	52	39	32	32	34	34	32	28	45	51	48	40	38	37	39	37	39	43	48	53	48	47	53	52	.....	41.6
Selingsgrove.....	Maximum.....	51	60	68	65	80	83	82	75	55	37	41	50	52	65	77	82	83	53	52	54	71	77	82	85	87	86	69	81	91	.....	69.1	
.....	Minimum.....	33	30	44	43	39	42	47	43	31	32	33	31	28	23	34	45	40	40	39	37	40	29	33	35	39	47	43	44	52	46	.....	38.2
Sharou.....	Maximum.....	49	70	70	68	70	80	80	64	44	44	39	16	53	70	78	83	83	71	46	53	63	71	76	81	86	91	81	88	88	92	.....	69.6
.....	Minimum.....	36	39	51	44	55	45	46	35	37	36	34	32	26	32	56	56	47	37	38	36	36	34	36	39	43	49	63	60	53	54	.....	42.8
Somerset.....	Maximum.....	39	56	63	61	70	78	80	69	52	44	37	39	55	63	67	75	73	67	39	48	58	66	71	78	77	83	80	79	76	83	.....	64.2
.....	Minimum.....	29	34	46	45	35	40	41	40	34	31	30	27	22	20	32	37	37	32	31	35	24	27	30	34	39	52	46	54	38	.....	35.3	
Springs.....	Maximum.....	36	57	65	61	71	76	70	67	48	47	35	39	46	62	68	73	70															

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER
HARRISBURG, PA.

VOL. XLVII.

MAY, 1942.

No. 5.

GENERAL SUMMARY.

For the third month, the mean temperature for the State was above normal and the accumulated average daily excess for the year is now 1.2° , in contrast to the average daily deficiency of 3.5° accumulated during the same period in 1941. Highest temperatures were recorded at the beginning and end of the month, highest maxima equaling and, in a few cases, exceeding previous monthly records at scattered stations.

The precipitation average was greater than in any month since October, 1937 and was the greatest for May since 1908. The rainfall for the first five months of 1942 exceeded that for the same period in 1941 by 7.00 inches and an excess of 0.22 inch has been accumulated for this year. During the first three weeks of May, frequent, heavy showers were general. Particularly heavy storms occurred May 20th-22d. The rain on the evening of the 22d was excessive in the Delaware and Susquehanna River basins. On that date, a station near Carbondale, not regularly reporting for this record, measured a fall of 7.00 inches from 3:00 p. m. to midnight. The rainfall intensity was such as to produce the third highest stage of record, since 1757, on the Schuylkill River at Reading; the second highest of, approximately, 150 years of record on the Lehigh River above Allentown; and the highest crest ever known on the Lackawanna River at Hawley. Serious flooding also occurred along the Lackawanna and Upper Delaware Rivers.

The area of greatest devastation was around Honesdale and Hawley, where 24 persons were reported dead or missing. The flood swept homes and bridges away; disrupted communication and transportation facilities, isolating the section; and washed farms, destroying crops and killing live stock. Similar damage, but to a lesser degree, occurred along other rivers in eastern Pennsylvania. Industries were forced to close down because of the high water; many families were driven from their homes; drinking water was contaminated; and food stores were destroyed. Aid to affected communities was furnished by the Red Cross, Federal, State, and local organizations. Reports from all the flooded areas indicate that 33 people were dead or missing and that property damage, conservatively estimated, amounted to \$13,000,000.

Thunderstorms occurred on various days throughout the month and lightning damaged property at scattered points. Heaviest damage was done on the 31st in south-central counties, when high winds, accompanying the storms, lodged crops, unroofed houses, and blew down trees. Falling trees tore down wires and utility services were cut off in some sections. Hail further damaged the lodged crops. Property damage was estimated at \$65,000, while crop damage amounted to \$35,000.

G. W. S.

TEMPERATURE.

The average temperature for the State, as deduced from the reports of 75 stations, was 62.5° , which is 2.8° above the 55-year average for May. The highest monthly mean was 69.0° at Marcus Hook, and the lowest was 55.8° at Kane. Extremes ranged from a maximum of 99° at Marcus Hook, on the 30th, to a minimum of 22° at Coudersport, on the 11th.

PRECIPITATION.

The average precipitation from rain and hail, for the State, as deduced from the observations at 192 stations, was 5.88 inches, which is 2.03 inches above the 55-year average for May. The greatest monthly amount was 11.72 inches at Lansford, and the least, 1.59 inches at Philadelphia-Shawmont. The greatest amount for any observational day was 6.14 inches at Mauch Chunk on the 23d.

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	57.3	91	24	4.24	T.	16	4	11	16
1889.....	60.4	96	25	5.91	0	11	11	9	11
1890.....	58.5	89	23	6.71	0	15	7	11	13
1891.....	57.3	93	20	2.12	0.2	8	10	10	11
1892.....	58.5	91	28	5.70	0	16	7	10	14
1893.....	57.9	93	26	5.54	0	12	11	8	12
1894.....	60.8	92	27	8.88	0	16	9	8	14
1895.....	60.6	102	22	2.68	0	9	13	10	8
1896.....	65.4	98	31	2.85	0	10	10	12	9
1897.....	57.7	88	25	5.24	T.	12	11	10	10
1898.....	60.4	94	22	5.11	0	15	8	9	14
1899.....	61.1	100	24	3.82	0	11	10	11	10
1900.....	60.4	96	20	2.79	T.	9	13	9	9
1901.....	58.9	91	28	5.56	0	15	8	9	14
1902.....	59.8	95	25	1.96	0	8	13	11	7
1903.....	61.8	94	18	1.67	0	7	16	9	6
1904.....	61.6	94	21	3.78	0	11	12	10	9
1905.....	60.8	93	22	2.59	0	12	11	9	11
1906.....	60.0	99	23	3.23	0	10	12	10	9
1907.....	54.8	91	19	3.08	0.1	11	11	9	11
1908.....	61.2	96	22	6.28	0.3	15	10	10	11
1909.....	59.2	92	23	2.90	0.1	10	12	10	9
1910.....	56.8	88	24	3.38	0	12	11	10	10
1911.....	65.2	99	20	1.97	0	7	17	10	4
1912.....	61.2	91	28	3.15	0	11	14	8	9
1913.....	58.5	93	21	3.86	0	10	13	8	10
1914.....	61.5	96	19	3.34	0	9	16	9	6
1915.....	56.2	84	21	4.16	0	14	10	8	13
1916.....	61.0	93	26	3.19	T.	13	12	11	8
1917.....	53.3	90	20	3.39	T.	13	9	10	12
1918.....	65.1	95	21	5.04	0	14	13	12	6
1919.....	59.5	98	27	5.80	0	14	13	7	11
1920.....	56.6	92	18	2.02	0	8	17	8	6
1921.....	59.8	93	22	3.93	0	11	14	8	9
1922.....	62.5	96	20	3.21	0	10	15	8	8
1923.....	58.3	93	20	3.50	0.6	8	19	6	6
1924.....	54.6	92	18	5.71	0	17	9	9	13
1925.....	55.2	98	22	3.49	0.2	11	13	10	8
1926.....	58.8	95	18	1.78	0	8	17	10	4
1927.....	58.2	92	23	4.14	0	16	9	9	13
1928.....	58.0	95	20	2.23	0	10	15	9	7
1929.....	58.5	97	23	4.81	T.	14	13	9	9
1930.....	61.2	99	25	3.03	0	10	15	8	8
1931.....	59.8	98	19	5.28	T.	15	13	9	9
1932.....	59.8	98	21	3.69	0	10	15	8	8
1933.....	62.2	94	24	5.86	0	18	8	10	13
1934.....	62.2	98	22	2.51	0	8	18	8	5
1935.....	56.0	92	21	3.00	0	10	13	8	10
1936.....	62.8	96	24	2.09	0	7	19	8	4
1937.....	60.7	96	24	3.39	0	11	14	10	7
1938.....	58.8	93	20	3.85	0	13	11	9	11
1939.....	62.8	99	20	1.58	T.	7	16	10	5
1940.....	59.2	93	22	4.46	T.	16	9	9	13
1941.....	61.3	102	21	2.25	T.	9	15	9	7
1942.....	62.5	99	22	5.88	0	12	10	10	11
Period.....	59.7	102	18	3.85	T.	12	12	9	10

Climatological Data for May, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches						No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation 01 in or more	Clear	Pt. cloudy	Cloudy			
Atlantic Drainage																					
Allentown.....	Lehigh.....	254	30	63.4 ^b	+3.0	90 ^b	30	36 ^b	11	8.68	+5.28	2.60	22	0	7	15	7	9	s.	Allent'n-Bethlehem Gas Co.	
Altoona (near).....	Blair.....	1,615	55	62.0	+3.2	94	1	32	11	5.38	+1.36	0.94	16	0	15	13	13	5	w.	City of Altoona.	
Bedford.....	Bedford.....	1,120	10	63.6	+2.3	93	1	38	6†	5.88	+2.48	1.32	23	0	10	10	6	15	n.w.	Charles C. Lee.	
Bethlehem.....	Northampton.....	364	56	64.2	+1.7	90	3†	40	11	5.24	+2.12	1.47	16	0	12	22	1	8	n.w.	Lchigh University.	
Bloomsburg (near).....	Columbia.....	610	16	61.2	.....	90	1	28	11	5.14	.....	1.49	17	0	7	6	11	14	n.w.	Benjamin F. Connor.	
Burnt Cabins (near).....	Huntingdon.....	990	1	62.6	.....	96	1	32 ^a	11	6.13	.....	1.85	16	0	12	12	5	14	se.	Pennua. Turnpike Comm.	
Carlisle.....	Cumberland.....	473	73	66.2	+4.5	95	1	35	11	7.49	+4.11	2.52	22	0	13	16	7	8	se.	Clarence E. Miller.	
Chambersburg.....	Franklin.....	600	45	66.6	+5.3	96	1	37	11	6.68	+3.29	1.70	22	0	10	7	16	8	sw.	William B Spear.	
Coatesville.....	Chester.....	431	55	66.4	+5.1	94	30	43	11	4.96	+1.37	1.80	22	0	11	9	5	17	se.	Howard L. Pyle.	
Eagles Mere.....	Sullivan.....	2,020	1	.....	.....	.....	.....	.....	.....	5.55	.....	1.82	23	0	11	10	15	6	ne.	Carl E. Bigger.	
Emporium.....	Cameron.....	1,033	57	59.4 ^b	+1.5	90 ^b	1	30 ^b	11	4.83	+0.64	0.65	16	0	13	12	7	12	w.	E. M. Poorman.	
Ephrata.....	Lancaster.....	365	45	66.2	+4.5	95	1	36	11	5.66	+2.62	2.29	22	0	9	10	11	10	s.	Ira J. Keath.	
Freeland.....	Luzerne.....	1,970	49	61.0	+4.4	86	1	36 ^a	11	9.44	+5.60	2.93	23	0	11	10	3	18	w.	Andrew B. Evausha.	
Gettysburg.....	Adams.....	553	69	66.5	+4.8	92	1	38	11	6.83	+3.14	2.97	22	0	10	13	10	8	e.	Dr. Henry Stewart.	
Gordon.....	Schuylkill.....	900	38	61.6	+3.5	89	1†	28	11	11.44	+7.52	3.34	22	0	13	14	8	9	e.	Miss Sallie M. Johnson.	
Hanover.....	York.....	600	38	66.8	+3.6	93	1†	40	11	5.40	+2.03	1.68	22	0	8	15	4	12	s.	Evening Sun.	
Harrisburg Airport.....	York.....	351	73	66.2	+4.4	97	1	37	11	6.39	+2.95	2.28	16	0	13	6	14	11	se.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	24	61.0	+3.9	87	13†	26	11	6.32	+2.80	2.22	23	0	8	15	8	8	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	27	66.7	+3.8	91	1	44	11	3.03	+0.26	1.52	17	0	9	10	11	10	se.	Penna. Water & Power Co.	
Huntingdon.....	Huntingdon.....	700	55	63.4	+3.1	95	1	31	11	7.05	+3.30	1.68	22	0	11	10	12	9	w.	Prof. Paul R. Yoder.	
Kylertown.....	Clearfield.....	1,700	13	59.4	+1.5	88	1	35	11	4.80	+1.47	1.07	21-22	0	13	2	11	18	w.	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	255	55	65.8	+4.8	93	1	32	11	6.99	+4.04	4.06	22	0	8	16	7	8	n.w.	Lancaster Water Bureau.	
Lawrenceville.....	Tioga.....	996	45	61.4	+4.0	91	1	27	11	4.08	+0.28	1.14	22	0	12	9	12	10	n.	Carlos P. Darling.	
Lebanon.....	Lebanon.....	469	58	64.2	+2.6	94	1	37	11	10.12	+6.86	2.99	22	0	9	10	6	6	sw.	Lebanon Valley Gas Co.	
Lewistown.....	Mifflin.....	467	4	66.2 ^d	.....	93 ^b	31	35	11	7.60	.....	2.15	22	0	12	11	5	15	.....	Penna. Edison Co.	
Lock Haven.....	Clinton.....	557	52	62.6	+0.8	93	1	33	11	6.16	+2.11	1.90	22	0	11	12	11	8	ne.	William E. Kelley.	
Marcus Hook.....	Delaware.....	12	16	69.0 ^a	+3.0	99 ^c	30	45 ^c	11	1.76	-1.19	1.26	17	0	6	24	4	3	se.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,176	37	57.7	+2.7	84	1†	30	11	5.10	+1.27	1.64	23	0	11	9	11	11	sw.	Harry S. Fancher.	
Mt. Pocono.....	Monroe.....	1,720	36	58.0	+4.1	84	1†	30	11	10.41	+6.89	3.15	22	0	10	16	2	13	n.	Cecil J. Hoskinson.	
Neshaminy Falls.....	Bucks.....	80	53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Phila.-Suburban Water Co.	
Palmerton.....	Carbon.....	455	24	62.7	+3.1	93	30	29	11	9.03	+5.61	3.08	22	0	11	7	7	17	ne.	New Jersey Zinc Co.	
Philadelphia City Office.....	Philadelphia.....	26	71	67.2	+4.3	93	30	48	11	1.82	-1.44	1.11	16-17	0	6	9	13	9	s.	U. S. Weather Bureau.	
Phoenixville.....	Chester.....	100	32	67.1	+5.1	98	30	31	11	1.71	-2.05	0.68	17	0	8	17	13	1	w.	Phila.-Suburban Water Co.	
Port Clinton.....	Schuylkill.....	407	4	62.8	+1.7	91	1	29	11	11.18	+7.04	3.80	22	0	10	17	9	5	n.	Earl E. Barick.	
Quakertown.....	Bucks.....	480	57	63.2	+3.7	92	30	32	11	3.06	+0.36	0.87	17	0	15	16	7	8	se.	John E. Benner.	
Reading.....	Berks.....	273	72	66.0	+4.0	93	30	41	11	9.29	+5.62	4.32	21-22	0	11	9	15	7	se.	U. S. Weather Bureau.	
Scranton.....	Lackawanna.....	746	48	63.0	+3.6	89	30	33	11	6.73	+3.46	2.90	21-22	0	11	7	14	10	sw.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	476	52	63.0	+3.3	90	1†	31	11	7.75	+3.41	2.85	22	0	11	7	15	9	s.	Dr. George E. Fisher.	
State College.....	Centre.....	1,217	58	62.5	+3.6	92	1	36	11	6.55	+2.66	1.61	16	0	13	6	17	8	n.w.	Pennua. State College.	
Stroudsburg.....	Monroe.....	404	28	62.6	+3.8	90	30	30	11	5.53	+2.20	2.45	22	0	9	10	12	9	n.	Motropolitan Edison Co.	
Towanda.....	Bradford.....	754	48	61.6	+4.1	89	1	26	11	3.96	+0.60	1.59	22	0	13	5	14	12	uw.	Mrs. M. Ordella Parks.	
Wellsville.....	Tioga.....	1,319	72	57.9	+1.5	88	1	26	11	5.19	+1.79	1.68	23	0	13	8	11	12	w.	M. S. Bliss.	
West Chester.....	Chester.....	440	93	65.4	+4.6	93	30	42	6†	1.80	-2.08	0.67	17	0	10	19	6	6	s.	Clyde T. Taylor.	
Wilkes-Barre.....	Luzerne.....	544	4	62.0	.....	87	30	30	11	6.29	+3.14	2.14	22	0	10	6	5	20	s.	U. S. Communication Sta.	
Williamsport.....	Lycoming.....	550	56	64.4	+3.9	91	30	31	11	4.56	+0.73	1.42	23	0	10	12	13	5	w.	John D. McEwen.	
Williamstown.....	Dauphin.....	1,275	27	62.8	+2.6	89	30	39	11	8.37	+4.56	2.03	22	0	12	17	6	8	sw.	Susquehanna Collieries.	
York.....	York.....	400	54	66.3	+4.8	95	1†	33	11	6.99	+3.97	2.34	22	0	10	12	13	6	s.	York Water Co.	
Division mean.....				63.6	+3.9	99	30	26	11	6.18	+2.33	6.14	23	0	11	12	9	10	s.		
Ohio Drainage																					
Bradford.....	Mc Kean.....	1,680	1	58.8	.....	87	30	23	11	5.64	+1.74	1.22	1	0	16	2	15	14	w.	City Water Dept.	
Brookville.....	Jefferson.....	1,400	52	58.2	+2.7	87	1	28	11	3.74	+0.32	0.69	22	0	15	5	6	20	w.	Civil Aeronautics Auth'y.	
Butler.....	Butler.....	1,077	29	62.4	+2.9	93	2	29	11	6.15	+2.62	2.64	16	0	13	11	13	7	.....	Butler Eagle.	
Claysville.....	Washington.....	1,170	37	62.6	+1.8	93 ^a	1	34	5	4.60	+1.01	1.40	16	0	15	15	8	8	w.	Harry B. Montgomery.	
Corry.....	Erie.....	1,430	29	58.5	+3.3	89	1†	26	11	7.26	+2.75	1.78	16	0	15	6	2	23	w.	Penna. Electric Co.	
Coudersport.....	Potter.....	1,653	15	57.6	+1.1	90	30	22	11	4.59	+0.92	1.16	22	0	14	7	8	16	sw.	Phillip R. Shaw.	
Derry.....	Westmoreland.....	1,150	45	63.8	+3.2	92	1	35	11	3.80	+0.16	0.69	16	0	17	14	13	4	w.	Miss N. Dixie Wineman.	
Ebensburg.....	Cambria.....	2,170	25	57.2 ^a	+0.8	85 ^a	1	30 ^a	12	6.15	+1.81	1.37	31	0	16	6	14	11	n.w.	Norman R. Gillin.	
Edinboro.....	Erie.....	1,220	10	59.1	+2.8	86	30	27	11	8.90	+4.45	1.91	7	0	19	11	8	12	n.w.	Wallace J. Snyder.	
Franklin.....	Venango.....	987	68	59.0	+1.4	89	1	31	11	4.79	+0.91	1.81	16	0	15	11	9	11	s.	William K. Fuller.	
Greensburg.....	Westmoreland.....	1,160	33	63.4	+3.1	88	29	37 ^a	11	5.37	+1.59	0.93	31	0	19	4	21	6	sw.	Westmoreland Water Co.	
Grove City.....	Mercer.....	1,350	35	62.2	+3.8	90	1	35	11	4.28	+0.15	1.64	16	0	17	9	11	11	w.	Prof. H. W. Harmon.	
Indiana.....	Indiana.....	1,300	41	62.5	+2.8	90	1	37	5†	4.29	+0.18	0.81	7	0	15	12	10	9	sc.	Indiana State Teachers Col.	
Johnstown.....	Cambria.....	1,650	60	61.6	+0.6	92	1	37	11†	5.50	+1.41	0.89	16	0	19	12	9	10	s.	Robert Tross.	
Kane.....	McKean.....	1,938	9	55.8	+0.1	87	1	25	11	5.14	+1.75	0.83	20	0	20	td					

Daily Precipitation for May, 1942

Stations	Counties	Day of month																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC DRAINAGE																																	
Delaware Basin																																	
UPPER DELAWARE																																	
Dingmans Ferry ²	Pike	T.					1.03	.06		T.				.43				.96				.30	.68	.58							.03	1.02	
Hawley ²	Wayne	T.					.55		.01					.10			.76					.78	1.66	2.22							.21	6.32	
Hollisterville ²	Wayne	.19		T.			.49	T.						.42			1.29					1.09	1.05	4.68							.13	9.34	
Matamoras ²	Pike	.05					.88	.09						.43			.61					.52	.49	.47							.07	3.61	
Mount Pocono	Monroe	T.	.19				.20	.80	T.			T.	.43			1.55	T.				.15	1.50	3.15	2.20							.24	10.41	
Paupack ²	Pike		.25				.45				.24			.14			1.11					.70	2.16	2.05							.01	7.11	
Pleasant Mount ¹	Wayne	.04					.24	.31		.04			.37			1.81					.41	1.31	3.87	.31								8.74	
Stroudsburg ²	Monroe		.12		T.		.10	.03	T.				.39			1.09	T.				T.	.40	2.45	.93	T.						.02	5.63	
Tanners Falls ¹	Wayne	.05					.46	.31								1.42					.61	1.58	5.01	.15					.09	1.47	.04	11.19	
LEHIGH																																	
Allentown ²	Lehigh						1.70	.08		T.				.36			1.51				T.	.03	2.60	2.40							.08	8.68	
Bethlehem ¹	Northampton						.19	1.21					.26	.01			1.47	.01		.01		.07	1.26	.33	.34							.13	10.50
Blakeslee Corners ¹	Monroe						.41	.46				.69				2.23	.01		.03		.44	1.79	4.26	.01								T.	8.66
Gouldsboro ²	Wayne	.17		.03			.50		.02	T.				.09			1.88				.04	1.12	1.24	3.57									11.72
Lausford ²	Carbon				.06		1.04	T.					.49				3.08					1.12	1.20	4.73									11.41
Mauch Chunk	Carbon	T.	T.	.03			.03	.95	.02		T.			.42			1.97	.47		T.	.08	.43	.87	6.14									9.62
Merwinsburg ²	Monroe						.20	.31	.02					.34			1.92					.61	2.22	2.17									10.09
New Tripoli	Lehigh		.04				.10	1.24		.01			.33			1.38	.70				.06	2.13	1.90	2.20									9.03
Palmerton ¹	Carbon		.02				.24	.69		T.		.22				T.	2.13	.08		T.		.16	2.05	3.08	.04						.32		3.87
Zionsville	Lehigh			T.			1.32			.05			.31			.76	.87					.22	.13	.21									
SCHUYLKILL																																	
Coushohocken	Montgomery						.83	1.12	T.							T.	.80				T.	.06	.02	.09								2.92	
Fredericksburg ²	Berks	.09		T.			1.26	.03			T.	.42				2.13					.02	.04	.28	4.40								8.67	
Freeland ²	Luzerne	.01		.01	T.		.55	.02		.02		.66				T.	2.84				.10	1.40	.90	2.93								9.44	
Gratersford	Montgomery	.06					.68									.07	.39	.83			.18	.09	.38	.24								2.92	
Phoenixville ²	Chester	T.					.20	.36				T.	.02			.10	.68		T.	T.	.09	.13	.13									1.71	
Port Clinton	Schuykill						.11	1.26						.18			2.14	.76			.08	1.20	3.80	1.57								11.18	
Pottstown ²	Montgomery						.75	T.						.22			2.80				T.	.80	2.82	1.75								9.24	
Pottsville ²	Schuykill	.10		T.			1.08						.16	T.		2.04	T.			T.	.05	1.67	4.08	.01							.02	9.29	
Reading ¹	Berks	.04		.02	T.		1.12	.08		T.				.78			2.52					.09	1.05	3.53								9.79	
Wernersville ²	Berks		.02				1.74	.06																									
LOWER DELAWARE																																	
Coatesville	Chester	.34					.35		.01					.05			1.28	.45			.08	.20	1.80	.25							.15	4.96	
Doylestown	Bucks	.17					T.	.60		.32		.02					.08	.65			T.	.08	.05	.13								1.77	
Marcus Hook ²	Delaware				T.												1.26			T.		.01	.01	.14								1.76	
Neshaminy Falls	Bucks																																
Philadelphia	Philadelphia	T.		T.	T.		.02	.28		.01			T.	T.		T.	1.44	.01		T.	T.	T.	.09	T.			.02	T.				T.	1.87
Airport Station ⁵	Philadelphia	T.		T.	T.		.61	.08				T.	T.		T.		.93	.18		T.	T.	T.	T.	.01			.01	T.				1.82	
City Office ¹	Philadelphia						.39	.40	T.		.01						.01					T.	T.	.07								2.24	
Franklin Inst. ²	Philadelphia						.32	.06	T.					.01			.09	.89				.07	.07	.06								1.59	
Shawmont	Philadelphia	T.		T.			.72							.17			.59	.87		.02	.01	.32	.07	.06								3.06	
Quakertown	Bucks	.14		.01			.02	.39		.02	.01		.02	.17			.03	.87				.12		.24	.02							.15	1.80
West Chester	Chester				.03		.25		.01			T.	.02				.29	.67				.12		.24	.02								4.26
West Grove ²	Chester						.28	.14					.02				1.39				T.	.24	.69	1.50									
Susquehanna Basin																																	
CHEMUNG																																	
Covington ²	Tioga	.15			.50		.06								.07		.15	.20			.20	.90	.23	1.10								3.56	
Lawrenceville	Tioga	.15	T.	.15	.25	T.	.15									.65		.20		.22	.54	.53	1.14	.05						.16	.09	4.08	
NORTH BRANCH																																	
Bloomsburg (nr.) ²	Columbia				.05		.18							.11			1.49					1.18	.97	1.16								5.14	
Cantow ²	Bradford	.12			.53		.02										.74			.04	.10	.61	.58	1.80								4.54	
Danville ²	Montour	.02			.18		.23	.01						.11			.04	1.57			T.	1.15	1.29	1.22								5.82	
Kellogg Mt. Tower ²	Bradford	.04	.01	.21			.05	T.	.02	T.	T.			.10	T.		T.	.62		.03	.10	.78	.84	1.35				T.			.03	4.18	
Millville ¹	Columbia	.04	.01	.15			.05	.09					.04				.91			.03	.47	1.37	1.29									4.45	
Montross ²	Susquehanna		.01		.04		.26							.17			1.63				.06	.38	.80	1.64							.10	5.10	
Pikes Creek ¹	Luzerne	.13		.10			.25	.13		.03				.15			1.71				.71	2.03	1.85									7.09	
Seranton ¹	Lackawanna	.02		T.	T.		.23	.08		T.				.12			1.19	.01		T.	.60	1.45	2.67	.02				T.	T.		.34	6.73	
Susquehanna ²	Susquehanna		.04				.17						.01	T.			1.10				.01	.45	.87	2.12							.60	5.71	
Towanda	Bradford	.14	T.	.16	.12		T.	.11	T.				.01	T.			.51			.13	.22	.53	1.59	.21			T.			.04	.16	3.96	
Tunkhannock ¹	Wyoming			.05			.20	.06									1.52				.47	1.24	1.56								.13	5.23	
Wilkes-Barre ⁵	Luzerne	.02		.14	T.		.22	.03					.12	.01			1.48	T.		T.	.56	1.57	2.14								T.	6.29	
WEST BRANCH																																	
Ansonia ²	Tioga	.14	.27	.37			.12		T.	.02						T.	1.09	.26		.22	.02	.64	.92	.98							.10	5.15	
Bald Eagle ¹	Blair	.03	.07	1.03	.13		.27	.11								1.04				.38	.99	.09	.93								.75	5.82	
Bellefonte ²	Centre		.09	*	.94		.46						T.	T.			1.18	.18			.02	1.10	1.25	.69								5.91	
Berwinsdale ²	Clearfield		T.	.40	.41		.32		.01	.02	T.						.52	.12		.04	.42	.52	.41	.62							.04	4.20	
Carver Camp ¹	Potter	.12	.15	.66	.41		.09	.13			.08						1.28	.38		.31	.85	1.83	.34									7.59	
Cedar Run ²	Lycoming		.15	.13	.90		.52	T.			.08					.86	.38		.14	.07	.78	1.35									.10	6.89	
Clearfield ²	Clearfield			T.	.37	.03	.52									.01	.86	.24	T.	.22	.22	.87	.57	.88	.01	.04					.06	4.90	
Driftwood ¹	Cameron	.09	.09	.51	.21		.11	.09								.98					.49	1.01	.20	.51	*	.20					*	4.49	
Du Bois (near)	Clearfield		.05	.08	.58		.25	.02								T.	.79	.02		.48	.21	.72	.74	.01		.05					.02	4.00	
Dushore ¹	S																																

Continued on page 33

Daily Precipitation for May, 1942 - Continued from Page 32

Stations	Counties	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALLEGHENY (continued)																																	
Saltsburg ²	Indiana	.01	.12	.04				.72		T.	.06		T	T		T.	1.24			.11	.94	.60	.68	.49	.04	T.		T.				.94	6.02
Seward ¹	Indiana	.22	.39	.26				.94			.02		.01	.29	.53		.61	.08		.16	.23	.64	1.08	.22	.06							1.64	6.26
Smethport ²	McKean	.34	.16	.41				.17	.02		T.		.02				.38	.15		.16	.23	.64	1.08	.22		T.	T.	T.		T.	.08	4.36	
Somerset	Somerset	1	.36	.60				.33	.98	.04		.08		.06	.10		T.	1.60			.09	.13	.45	.13					.04			.51	5.80
Stroudtown ¹	Indiana		.78					.65	.12	.02		.04		.11	.01		.04	.66			.28	.67	.19	.37								1.56	5.43
Tionesta Dam ¹	Forest	.06	.02	.81	.04		.30	.31	.02	.13			.04		.12	.49	.78		.22	.13	.68	.13	.90									.75	5.83
Titusville ¹	Crawford	.25	.05	.19	.03		.60	.01		.09			.11		.12	1.12	.76			.22	.19	.01	1.20								.06	5.03	
Union City ¹	Erie	.27	.02	.24	.01		.97	.03	.02	.04			.17		.28	.87	.65		.10	.54	.11	.02	1.27	.02	.13					.21		.27	6.24
Vandergift ³	Westmoreland						.19	.36			.02		.14		.13	.18	.55			.43	.41	.26	.68	.10						.19	.68	4.62	
Warren ²	Warren	.69	.63	.15				.61	.04		T		T.	T.	.09		.37	.90	.01		.15	.11	.18	.46	.25		.05		T.		T.	.10	1.79
Youngsville ¹	Warren	.70	.06	.51	.02		.69	.05					.13		.12	.39	.82	.01	.01	.25	.17	.09	.65	.04	.04	.03				.07	.05	5.08	
MONOGAHELA																																	
Confluence ²	Somerset		T.	.29	.26	.03		1.69		T.	.04	.21	.02	.05	T.	T.	1.52			T.	.53	.09	.66	.28				T.				.12	5.79
Cornellsville ²	Fayette		.02	.23	.37	.11		.91			.12	.11	T.	.18	T.	.08	1.21				.08	.21	.19	.12					.04			.29	4.87
Donora ¹	Washington	.02		.32			.36	.12		.01	.05	T.	.23			.39	.44			.03	.82	.04	.67	.06			.01	T.			1.18	5.05	
Greensburg ²	Greene	.09	.17	.15	.01		1.06			T.	.57		.15			.89				T.	.24	.22	.75	.37	T.	T.	T.	.04				.05	4.76
Greensburg	Westmoreland		.25	.05			.16	.32	T.		.39	.12	.06	.58	.01	.05	.92			.14	.70	.08	.45	.13	.01		T.				.02	.93	5.37
Irwin	Westmoreland		.05	.01			.03	.36	T.		.06		T.	.18	T.	.19	.56			.05	.57	.26	.45	.03	.03							.36	3.19
Meyersdale ²	Somerset		.03	1.08			1.10			.02						1.23	.19				.21	.44	.80	.35									3.45
Murrysville ¹	Westmoreland		.05				.79	.03		.02	.03		.13			.18	.53			.41	.31	.09	.43	.05								1.32	4.67
Newell ¹	Fayette	.02	.17				.60	.03		.18			.42			.72				.10	.20	.32	.52	.03	.03						.13		3.44
Pittsburgh Arpt. ¹	Allegheny	.09	.02	.02	T.	1.08	.01	T.	.02	.05	T.	.42				.46	.33		T.	.17	.29	.26	.67	.03	T.		T.		.01			.49	4.42
Spring ¹	Somerset		.12	.79			1.14	.33	.05		.36		.01	.01		.06	1.56			.18	.27	.43	.67	.02				.01				.28	6.32
Uniontown	Fayette		.21	.27			.18	.12	T.		.37		T.	.22	.03	T.	1.16			.02	.30	.18	.60	.36				.03		T.	T.	5.08	
Waynesburg	Greene		.26				.11	.65			.34			.44		1.20				.11	.23	.08	.72	.06				.04				4.27	
BEAVER																																	
Beaver Falls ²	Beaver	.13	T.	.03	T.		.27	T.	T.	.04		T	T.		T.	1.58				.26	.09	.22	.35	.46	T.						.77	4.20	
Greenville	Mercer						.27	.08		.01		.12		.03	.97	2.17				.23	.04		1.28									\$	
Grove City	Mercer		.08	.38	.03		.05	.23	.03		.02		.08			.01	1.64			.02	.34	.04	.57	.05						.62	.09	4.28	
Mercer ²	Mercer	.32	.01	.19	.01		.38	.09	T.	.01		T.	.07			.14	.30	.08		T.	.62	T.	.58	T.	T.					T.	.32	5.15	
New Castle	Lawrence	.09	.25	.05			.27	.05		.06		.02	.04			.30	1.82			.10	.57	.11	.96	.01	T					1.34	.01	6.05	
Penn Line ²	Crawford	.44	.14	.03			1.14	.13			.02	.07		.07		.48	2.80	.01		.60	.22	.09	.44	.63		.01				.01	.09	7.35	
Pymatuning Dam ²	Crawford	.31	.14	.04			.50	.06		.25			.18			.31	2.41	T.		.12	.64	.22	.48	.79		.01						6.46	
Sharon ²	Mercer	.30	.05				.39	.02					.09			.90	3.23			.01		.64	.66	.93								.45	7.67
OHIO																																	
Claysville ²	Washington	.10	.08				.48	T.		.10	.20		.23			1.40				.02	.05	.44	.94	.27	.07			.05				.17	4.60
Coraopolis ²	Allegheny	.14					.50			.09		T				T.	1.98			.47	.20	.20	.67	.12	T.						.26	4.63	
Midland ²	Beaver	.16		T.			.28	.01		.10		T.				1.89				.22	.03	.27	.36	.97	T.						.57	4.86	
Mt. Lebanon	Allegheny	.07	.08	.24			.46	.22		.06	T.	T.	.12			.16	1.20			.08	.44	.22	.94	.04						T	.04	4.37	
Washington ¹	Washington		.09			.03	.29	.10		.04	.17		.21			1.03	.42			.23	.21	.23	.63	.12						.17		\$	
LAKE DRAINAGE																																	
Eric ¹	Erie	.19		.56	.03		.48	.21		.02			.47		.40	.83	.74			.15	.05	.03	1.51	.06	T.					.02		.72	6.47
Raymond ¹	Potter	.27		.12	.52		.04	.20								.76				.02	.35	.70	.20	2.07			.01				.10	5.36	

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ⁵ Precipitation for period, 1:30 a. m. of date on which amount is recorded to 1:30 a. m. following date. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. § Incomplete or missing. ‡ Daily amounts inconsistent. T. (trace), when precipitation is less than .01 inch. // Record partially estimated.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind**				Relative Humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Erie.....	30.01	30.36	5	29.64	16	8.1	24	w. s.	14	79	...	79	51
Harrisburg.....	30.02	30.35	6	29.76	7	7.8	31	se.	15	76	52	62	62
Kylertown.....	30.03	30.32	6	29.78	16	12.8	33	sw.	4	84	53	69	
Philadelphia.....	30.04	30.34	6	29.73	7	12.2	34	se.	22	74	46	62	66
Pittsburgh.....	30.02	30.31	5	29.70	15	9.7	29	sw.	12	81	54	65	50
Reading.....	30.04	30.37	6	29.74	7	10.7	33	s.	15	72	48	51	65
Seranton.....	30.06	30.35	6	29.71	7	6.5	27	se.	16	76	53	45	49

* For any five-minute period.
† Local noon ‡ 3:00 p. m. ** Corrected to true velocities.
§ 4:00 p. m.

RIVER CONDITIONS

Stations	Rivers	Mean Stage	Highest stage	Date	Lowest stage	Date	Flood Stage
Port Jervis, N. Y.	Delaware	3.7	11.4	23	2.2	13†	18
Easton	Delaware	5.2	28.0	24	1.6	16	22
Lehigh	Lehigh	4.7	15.6	23	3.0	16	9
Reading	Schuylkill	5.9	22.0	23	3.0	16	11
Wilkes-Barre	N. Br. Susquehanna	5.7	17.3	24	2.9	16	22
Williamsport	W. Br. Susquehanna	4.6	19.2	23	1.8	16	20
Newport	Juiliati	6.0	16.3	23	4.0	4	22
Harrisburg	Susquehanna	5.4	15.0	24	3.8	16	17
Schenley, Lock No. 5.	Allegheny	14.3	18.0	23	12.9	3	24
Sutersville	Youghiogheny	5.3	8.8	17	3.6	3	20
Charletoi (nr.), Lock No. 4	Monogahela	13.4	17.4	17	11.2	3	30
Pittsburgh	Ohio	*	19.7	*	*	*	25
Midland, Dam No. 7	Ohio	*	*	24	*	*	30

Daily Temperatures for May, 1942

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean			
Allentown ²	Maximum.....	86	82	88	82	73	67	66	62	67	67	71	84	85	83	80	70	69	75	67	70	73	73	73	73	62	73	77	75	83	90	85	75.3 ^b		
	Minimum.....	53	52	52	54	50	42	46	45	49	46	36	41	52	59	57	59	51	45	50	57	62	63	63	63	48	46	52	48	52	57	67	51.5 ^b		
Altoona(near).....	Maximum.....	94	88	86	82	82	63	62	54	69	68	70	78	84	80	74	68	69	76	74	69	67	70	66	67	62	75	72	76	84	85	86	74.1		
	Minimum.....	55	56	57	59	39	36	49	44	46	48	32	46	50	52	61	57	45	40	52	57	53	56	48	45	47	53	47	54	53	62	49.9			
Arendtsville.....	Maximum.....	93	84	88	82	78	70	72	60	74	70	74	83	85	80	79	74	69	77	75	69	75	62	66	70	68	79	77	79	84	92	92	77.1		
	Minimum.....	59	55	55	66	42	42	46	47	49	53	37	47	55	55	58	59	45	46	52	61	62	60	50	46	47	45	58	52	52	57	66	52.4		
Bedford.....	Maximum.....	83	90	85	78	71	70	65	57	68	68	72	82	81	82	79	70	70	76	77	72	71	72	68	70	67	77	75	76	86	87	90	75.6		
	Minimum.....	46	56	53	60	42	38	54	48	47	52	38	45	50	52	62	53	52	44	57	61	56	58	57	47	50	47	55	48	55	58	65	51.6		
Bethlehem ³	Maximum.....	87	81	90	82	73	66	66	61	67	66	72	83	86	82	77	68	69	75	66	77	71	71	70	71	73	64	75	78	77	83	90	87	75.0	
	Minimum.....	56	52	52	62	50	46	46	46	50	46	40	53	57	62	58	58	51	48	56	59	61	59	58	52	50	50	56	50	52	62	58	53.4		
Bloomsburg(near).....	Maximum.....	90	83	85	78	72	65	68	60	72	64	70	68	85	83	79	69	65	77	69	72	64	68	69	70	62	77	72	78	84	88	86	73.9		
	Minimum.....	49	51	52	61	37	35	50	45	38	42	28	50	50	50	57	59	42	42	52	57	52	56	54	45	44	42	50	40	48	57	64	48.4		
Blue Mt. Interchange ³	Maximum.....	96	84	86	81	73	62	70	60	73	70	74	83	86	80	77	72	66	76	77	72	72	76	70	70	72	77	79	80	84	90	94	76.7		
	Minimum.....	64	60	58	63	48	44	52	50	50	54	36	60	54	58	64	64	50	46	57	60	62	59	50	52	52	52	56	47	56	61	68	54.7		
Bradford.....	Maximum.....	85	82	83	81	59	58	56	60	65	65	70	70	81	84	79	70	81	79	70	73	78	76	73	65	67	64	62	63	73	71	77	83	87	83
	Minimum.....	46	54	53	50	38	29	45	42	30	37	23	58	54	49	59	48	46	39	53	43	46	52	47	43	44	31	59	54	52	53	61	45.9		
Breezewood Intchg ³	Maximum.....	96	88	84	76	70	64	68	58	70	66	72	82	84	80	76	72	70	76	72	70	78	74	78	70	74	72	80	74	78	88	88	94	76.7	
	Minimum.....	64	59	59	57	41	39	41	48	48	48	38	59	50	52	58	62	50	46	47	59	57	54	63	60	62	74	73	79	83	85	83	70.6		
Brookville ⁵	Maximum.....	87	83	83	65	62	65	57	59	63	63	68	71	82	82	79	70	65	80	75	59	59	57	64	63	60	62	74	73	79	83	85	83	70.6	
	Minimum.....	50	59	57	37	34	35	41	37	35	32	28	36	51	54	60	49	44	43	59	51	59	59	59	59	59	59	59	59	59	59	59	59	59	
Burnt Cabins(near) ³	Maximum.....	96	85	84	81	70	61	72	60	64	70	72	80	72	78	76	72	68	76	72	64	74	74	74	74	74	74	74	74	74	74	74	74	74	
	Minimum.....	49	54	52	57	40	38	50	44	52	40	32	60	52	54	62	42	43	40	58	57	53	48	43	44	38	54	48	56	59	67	75.4			
Butler.....	Maximum.....	92	83	86	83	61	69	65	57	70	69	71	77	83	82	82	76	70	83	85	76	69	57	67	65	65	75	76	77	83	90	87	75.0		
	Minimum.....	49	60	55	57	35	41	48	45	35	29	54	48	55	62	52	42	54	61	58	50	53	47	44	50	38	55	47	66	62	67	70	49.7		
Carlisle.....	Maximum.....	95	87	88	85	78	75	75	65	74	73	72	78	78	83	80	73	74	76	74	69	74	70	70	76	78	78	80	77	85	86	90	91	78.2	
	Minimum.....	57	51	53	65	54	41	58	52	48	51	35	50	61	53	63	60	46	45	55	62	60	63	52	48	43	69	49	56	60	61	67	54.2		
Chambersburg.....	Maximum.....	96	88	88	85	78	68	73	66	75	77	84	87	82	80	76	73	81	77	71	71	72	78	73	75	69	81	84	80	81	87	91	94	79.3	
	Minimum.....	54	56	55	67	46	44	54	49	49	52	37	49	49	54	61	62	47	46	54	62	63	64	64	64	54	48	51	44	59	54	55	60	67	53.8
Claysville ²	Maximum.....	93	82	85	67	68	71	53	58	68	61	72	82	80	81	69	60	73	83	78	67	57	58	65	63	69	75	71	82	86	85	85	85	72.5	
	Minimum.....	50	63	65	61	34	35	48	45	45	46	39	40	63	64	62	48	49	57	60	60	50	50	50	50	50	49	54	54	54	65	70	52.6		
Coatesville.....	Maximum.....	91	83	87	85	73	69	72	66	71	69	71	82	85	85	80	67	70	76	75	78	65	67	73	75	68	71	81	79	82	94	91	77.6		
	Minimum.....	57	51	54	68	51	44	49	50	51	49	43	52	62	64	54	62	49	52	55	58	63	63	59	52	50	48	64	54	62	60	69	55.2		
Corry ²	Maximum.....	89	83	81	62	60	59	55	64	70	59	73	82	83	82	72	52	65	79	76	57	55	62	65	51	66	76	71	82	86	89	87	84	70.8	
	Minimum.....	51	57	55	49	37	31	42	41	32	35	26	47	53	59	48	45	42	57	48	46	49	45	39	43	35	50	41	58	56	56	59	46.2		
Coudersport.....	Maximum.....	85	84	84	80	64	60	58	60	71	65	74	72	85	84	74	70	69	82	76	69	58	68	64	62	60	75	70	78	86	90	86	73.0		
	Minimum.....	44	50	50	52	32	28	43	40	29	38	22	43	47	46	56	50	46	36	52	47	42	50	45	36	42	35	32	33	40	48	55	42.2		
Derry.....	Maximum.....	92	90	87	85	68	73	62	55	70	67	83	77	85	85	78	70	69	86	86	75	68	65	68	65	66	75	74	85	90	81	85	76.4		
	Minimum.....	50	62	64	63	39	40	51	46	46	49	35	43	49	47	42	53	50	45	61	59	55	55	49	47	48	41	55	51	66	61	67	51.3		
Ebensburg ²	Maximum.....	85	82	82	65	62	58	54	54	64	59	68	72	76	72	64	61	61	71	62	66	61	61	61	60	59	72	67	74	82	78	81	68.2 ^a		
	Minimum.....	52	53	54	55	31	33	39	40	39	44	32	30	46	48	51	53	40	42	54	50	52	53	51	42	45	45	44	53	54	58	46.1 ^a			
Edinboro.....	Maximum.....	85	82	82	79	55	57	56	62	68	65	70	68	84	81	69	64	63	81	77	85	88	81	75	61	60	70	70	81	85	86	80	70.5		
	Minimum.....	50	56	56	50	42	35	46	43	34	36	27	54	55	59	47	45	58	50	49	49	49	49	47	42	43	38	48	42	56	59	61	47.7		
Emporium ²	Maximum.....	90	86	85	67	64	62	60	59	71	63	74	75	85	84	77	85	88	81	75	61	60	70	65	65	62	76	73	80	80	80	80	80	80	
	Minimum.....	46	51	56	57	35	33	37	46	36	41	30	35	48	50	56	57	49	42	47	57	48	50	51	44	47	40	42	40	44	44	44	44	44	
Ephrata.....	Maximum.....	95	84	89	85	78	71	75	63	74	73	75	85	90	84	79	70	72	78	72	73	70	70	70	74	70	70	80	82	81	85	94	93	79.0	
	Minimum.....	53	50	54	68	48	42	50	47	51	44	36	56	57	60	59	59	48	46	56	60	65	62	55	48	48	45	58	48	50	59	69	53.3		
Erie ³	Maximum.....	85	80	84	64	56	60	60	58	68	61	62	69	82	86	73	62	57	73	62	57	70	59	55	52	61	52	60	72	60	75	87	84	75	67.5
	Minimum.....	65	66	59	48	45	43	46	47	48	41	39	60	60	63	58	49	50	52	59	51	51	49	49	49	49	49	49	50	50	50	50	50	50	

Daily Temperatures for May, 1942 Continued from page 34

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
Midland.....	Maximum.....	92	86	87	85	67	65	62	65	70	65	74	77	85	84	83	68	72	83	80	70	62	61	67	64	69	77	74	83	88	86	85	75.6	
Midland.....	Minimum.....	54	60	64	58	40	46	48	47	42	48	36	70	53	58	62	48	48	49	60	52	52	53	54	46	45	45	58	50	57	63	67	52.7	
Montrose ²	Maximum.....	84	79	79	71	57	60	66	51	68	55	68	73	81	80	72	62	57	72	64	60	62	65	65	66	57	71	64	73	83	84	75	68.6	
Montrose ²	Minimum.....	58	53	53	58	39	34	35	42	40	42	30	33	52	55	57	57	42	42	44	51	47	47	54	44	15	44	49	39	47	56	60	46.8	
Mt. Lebanon.....	Maximum.....	91	84	86	74	68	73	59	59	71	64	73	79	82	83	72	63	69	83	81	66	58	62	68	65	68	77	74	82	86	84	89	74.0	
Mt. Lebanon.....	Minimum.....	57	59	62	51	38	46	47	45	42	46	37	57	55	62	61	48	41	51	62	52	50	51	47	45	14	47	55	54	61	66	66	51.9	
Mt. Pocono.....	Maximum.....	84	75	83	80	72	65	60	60	56	63	56	70	73	75	73	67	65	75	68	60	53	60	65	65	63	66	74	74	75	84	75	68.8	
Mt. Pocono.....	Minimum.....	58	48	53	52	35	40	35	50	50	42	30	45	53	55	48	54	42	42	52	52	50	50	53	43	40	38	52	40	40	58	60	47.1	
Neshaminy Falls.....	Maximum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Neshaminy Falls.....	Minimum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
New Castle.....	Maximum.....	92	89	87	87	68	65	59	65	72	73	73	73	87	86	84	74	68	86	77	76	59	59	69	67	72	77	76	85	89	89	74	76.0	
New Castle.....	Minimum.....	54	61	60	54	39	41	48	46	36	43	32	57	52	53	61	48	49	50	61	54	51	51	48	43	43	56	48	57	62	64	50.5		
Newell ³	Maximum.....	92	84	88	69	69	79	61	54	68	61	72	76	83	82	74	64	68	83	78	73	59	58	59	60	66	74	70	84	86	82	82	72.8	
Newell ³	Minimum.....	52	61	60	51	39	45	50	47	45	48	59	52	49	61	62	48	46	64	61	55	53	51	50	40	52	46	56	50	57	61	64	53.0	
Pahnerston ³	Maximum.....	88	81	87	83	75	66	64	68	66	71	84	84	82	79	65	69	77	67	68	69	70	72	71	63	75	78	75	85	93	91	75.3		
Pahnerston ³	Minimum.....	53	57	51	58	47	37	46	42	50	38	29	51	56	57	61	55	48	41	58	62	62	59	49	41	39	37	49	40	49	63	61	50.1	
Philadelphia Airport Station ⁵	Maximum.....	90	85	88	84	75	72	72	65	66	70	73	84	84	84	80	74	74	75	74	81	85	76	76	78	70	77	82	80	83	95	91	78.8	
Philadelphia Airport Station ⁵	Minimum.....	55	52	55	64	53	48	50	48	50	48	43	54	65	60	54	50	55	52	57	59	66	65	58	54	55	52	60	50	50	62	61	55.3	
City Office ³	Maximum.....	89	82	87	82	75	69	70	64	62	69	72	82	83	83	77	72	72	74	72	81	84	73	74	74	68	76	80	80	81	93	89	77.1	
City Office ³	Minimum.....	57	52	55	68	55	51	50	50	49	49	48	54	65	62	58	59	55	55	57	58	67	64	64	59	58	55	61	57	55	64	61	57.2	
Franklin Institute ²	Maximum.....	88	84	89	85	75	73	71	66	61	72	73	83	85	84	80	74	72	76	75	82	87	75	76	78	71	77	81	80	83	95	90	78.8	
Franklin Institute ²	Minimum.....	64	53	56	57	55	51	50	19	51	50	48	55	64	65	60	55	51	54	60	61	65	64	65	64	57	56	53	62	57	56	64	72	57.5
Shawmont.....	Maximum.....	91	83	87	88	82	75	70	67	69	70	73	82	85	85	82	74	72	78	78	81	83	80	74	75	75	75	79	80	82	94	90	79.4	
Shawmont.....	Minimum.....	55	51	54	64	51	42	49	15	51	49	38	56	62	59	56	61	51	48	51	59	66	65	61	50	51	48	56	49	48	59	67	53.9	
Phoenixville.....	Maximum.....	92	88	89	88	87	80	72	70	76	78	85	89	88	85	88	78	76	80	78	82	85	86	81	79	79	80	85	84	87	98	92	82.8	
Phoenixville.....	Minimum.....	51	40	54	65	50	36	49	40	50	41	31	49	59	51	52	62	53	44	58	61	66	66	59	47	45	42	55	44	46	57	66	51.4	
Pittsburgh Arpt Sta. ³	Maximum.....	93	83	87	68	67	74	59	57	69	63	75	76	84	83	71	62	70	84	80	67	57	60	66	62	68	75	71	84	87	85	87	73.4	
Pittsburgh Arpt Sta. ³	Minimum.....	61	60	63	46	43	41	47	45	42	47	41	57	56	63	62	49	45	49	61	53	50	51	48	44	47	49	56	54	62	66	66	52.5	
Pittsburgh City Office ³	Maximum.....	92	85	88	72	67	73	61	60	72	65	75	78	85	81	75	64	71	85	83	70	60	63	68	63	69	78	74	84	89	83	88	75.0	
Pittsburgh City Office ³	Minimum.....	57	61	67	49	46	47	50	48	47	49	41	60	57	66	64	52	51	61	64	55	52	54	51	51	49	48	59	56	65	67	68	54.9	
Port Clinton.....	Maximum.....	91	76	84	85	81	70	63	69	66	68	67	83	83	81	81	74	66	70	70	66	73	60	69	71	74	74	78	77	80	88	90	75.3	
Port Clinton.....	Minimum.....	50	50	52	63	43	37	47	44	49	42	29	49	53	57	57	59	49	43	55	60	60	60	64	44	43	40	54	42	50	60	65	50.3	
Pymatuning Dam ²	Maximum.....	86	82	82	60	57	60	51	62	70	56	71	69	83	85	69	67	64	81	72	57	59	54	67	57	67	75	77	80	85	88	84	70.2	
Pymatuning Dam ²	Minimum.....	58	56	58	52	43	37	47	45	40	39	28	41	53	55	60	49	41	50	56	54	51	51	46	41	41	46	49	47	58	62	62	49.0	
Quakertown.....	Maximum.....	88	79	85	83	79	69	64	64	66	69	80	82	82	77	72	70	72	72	71	78	72	73	73	75	78	75	81	87	92	86	76.1		
Quakertown.....	Minimum.....	49	47	51	52	46	45	45	42	48	44	32	49	55	53	49	57	50	44	55	58	64	62	60	43	42	52	42	45	51	56	67	50.3	
Reading ³	Maximum.....	91	83	87	83	73	65	69	61	69	70	72	84	86	82	78	66	69	75	70	69	80	70	71	74	64	77	80	78	83	93	89	76.2	
Reading ³	Minimum.....	60	53	53	65	52	48	49	49	53	49	41	56	62	65	60	57	51	50	57	61	67	62	58	53	53	49	60	51	54	66	62	55.7	
Ridgway ²	Maximum.....	91	85	85	66	66	63	57	60	70	65	74	72	83	84	75	61	68	83	77	61	56	69	65	62	63	77	77	80	86	89	87	72.8	
Ridgway ²	Minimum.....	40	46	55	56	33	30	34	34	32	32	27	27	50	51	54	59	49	40	45	55	47	47	48	41	45	36	37	45	49	52	43.3		
Scranton ³	Maximum.....	89	83	85	79	63	65	69	59	69	59	70	78	84	83	76	62	62	79	71	69	67	71	69	70	60	74	70	80	86	80	73.4		
Scranton ³	Minimum.....	58	61	57	54	48	41	50	49	45	44	33	53	59	59	62	55	52	46	59	56	53	60	56	49	18	45	55	45	52	65	64	52.7	
Selingsgrove.....	Maximum.....	90	80	83	83	77	73	70	63	73	73	71	78	82	82	75	72	68	74	70	71	66	70	70	71	68	75	78	76	82	88	90	75.5	
Selingsgrove.....	Minimum.....	50	54	55	63	44	38	49	40	50	50	31	52	55	57	61	59	42	42	57	61	52	59	52	44	45	42	45	43	54	54	59	50.6	
Sharou.....	Maximum.....	92	89	90	90	66	65	61	64	72	66	77	76	89	90	87	67	68	85	85	78	58	58	72	72	71	78	77	87	91	92	81	77.2	
Sharou.....	Minimum.....	60	65	65	48	47	43	49	39	43	36	60	59	63	64	48	50	53	66	54	53	52	51	50	48	46	59	52	63	69	68	53.9		
Somerset.....	Maximum.....	89	83	82	82	65	64	55	52	63	66	71	79	81	77	73	62	65	79	77	69	69	59	61	58	62	72	68	75	84	82	84	71.2	
Somerset.....	Minimum.....	42	56	49	58	35	35	46	42	43	50	35	45	43	47	58	50	44	38	57	55	54	54	46	42	45	34	52	44	53	53	62	47.3	
Springs.....																																		

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER

HARRISBURG, PA.

VOL. XLVII.

JUNE, 1942.

No. 6.

GENERAL SUMMARY.

For the fourth consecutive month, temperatures averaged above normal, maintaining the accumulated average daily departure since January 1st at 1.2°. In spite of June's surplus, extremes were well within the absolute range for the month. Station maxima were generally lower than those reported in May and, in a number of cases, were the lowest since March.

Precipitation was frequent but the average for the State was slightly below normal in contrast to the excess reported in May. The total rainfall for the first six months of the year is practically normal, being only 0.10 inch deficient. Greatest amounts were reported by stations in the south-central and northeast portions, while lightest amounts fell in the central region.

Thunderstorms were frequent during the first three weeks. Two persons were killed and one was injured by lightning. The deaths occurred at Laurelville, near Greensburg, on the 7th, and at Pittsburgh on the 21st. Some property damage also resulted from lightning. Rainfall, during these storms, was often intense, as shown by the recording gage at Phoenixville on the 12th, where 3.97 inches fell in one hour. At numerous points, the rain washed fields, lodged crops, blocked roads, and damaged gardens and orchards. At Rockport, on the 7th, heavy rain caused landslides which derailed 14 railroad cars and blocked the tracks of the Central Railroad of New Jersey and the Lehigh Valley Railroad for a brief interval. On the 13th, 5.00 to 6.00 inches was estimated to have fallen at Dalton, near Scranton. Streams rose and flooded the community, the business section being under 4 feet of water. A bridge was washed away and considerable property damage resulted. High winds, accompanying the thunderstorms, blew down trees, cutting electric service, and damaged buildings. Hail was reported locally on scattered dates.

G. W. S.

TEMPERATURE.

The average temperature for the State, as deduced from the reports of 76 stations, was 69.0°, which is 0.9° above the 55-year average for June. The highest monthly mean was 75.0°

at Marcus Hook, and the lowest was 61.8° at Kane. Extremes ranged from a maximum of 96° at Sharon, on the 10th, 11th, and 30th, and at Marcus Hook on the 20th, to a minimum of 34° at Coudersport, on the 16th.

PRECIPITATION.

The average precipitation from rain and hail, for the State, as deduced from the observations at 193 stations, was 3.82 inches, which is 0.32 inch below the 55-year average for June. The greatest monthly amount was 8.16 inches at Gouldsboro, and the least, 1.10 inches at Williamsport. The greatest amount for any observational day was 4.22 inches at Phoenixville on the 13th.

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	68.4	100	30	3.04	.....	9	12	11	7
1889.....	66.7	95	33	5.43	.....	15	5	12	13
1890.....	70.1	97	33	3.42	.....	9	12	11	7
1891.....	68.2	100	30	4.50	.....	11	14	8	8
1892.....	71.8	99	40	5.64	.....	13	9	11	10
1893.....	69.8	100	38	3.12	.....	9	10	11	9
1894.....	69.6	102	30	2.57	.....	10	13	12	5
1895.....	71.4	104	32	3.50	.....	9	13	10	7
1896.....	67.4	98	32	4.64	.....	11	10	11	9
1897.....	64.8	96	28	3.38	.....	11	11	11	8
1898.....	69.6	100	33	2.79	.....	9	14	11	5
1899.....	69.9	101	32	3.61	.....	9	13	11	6
1900.....	69.9	97	35	3.60	.....	10	11	12	7
1901.....	69.1	103	32	3.47	.....	10	12	11	7
1902.....	66.0	97	32	5.97	.....	13	11	12	7
1903.....	63.5	90	34	6.53	.....	15	7	10	13
1904.....	67.9	96	32	4.06	.....	13	12	10	8
1905.....	68.0	99	30	4.39	.....	13	11	10	9
1906.....	69.3	97	28	5.43	.....	13	11	12	7
1907.....	68.6	98	30	4.99	.....	12	11	9	10
1908.....	68.8	102	28	2.36	.....	13	19	9	2
1909.....	65.4	95	32	4.48	.....	11	12	9	9
1910.....	68.3	99	38	4.71	.....	12	12	10	8
1911.....	65.6	96	29	3.36	.....	8	13	9	8
1912.....	68.2	99	20	2.26	.....	7	19	7	4
1913.....	65.6	101	25	3.71	.....	9	16	8	6
1914.....	65.6	92	31	4.00	.....	11	14	10	6
1915.....	63.7	89	28	6.14	.....	15	11	10	9
1916.....	66.8	92	32	5.38	.....	14	12	11	7
1917.....	66.0	98	29	3.46	.....	10	13	11	6
1918.....	71.2	102	32	3.90	.....	10	16	9	5
1919.....	67.0	99	32	4.97	.....	13	12	11	7
1920.....	70.6	101	26	3.12	.....	8	17	9	4
1921.....	69.5	96	30	5.11	.....	13	11	11	8
1922.....	70.9	103	32	2.73	.....	9	16	9	5
1923.....	65.8	98	26	5.57	.....	15	11	11	8
1924.....	71.9	104	29	3.04	.....	9	16	11	3
1925.....	64.1	94	23	3.63	.....	12	13	10	7
1926.....	63.8	99	25	3.72	.....	9	15	8	7
1927.....	65.5	93	30	7.96	.....	17	9	9	12
1928.....	67.8	98	28	3.56	.....	10	15	10	5
1929.....	69.1	100	22	4.20	.....	9	17	8	5
1930.....	68.5	102	28	3.71	.....	9	16	8	6
1931.....	68.5	98	26	3.15	.....	11	13	9	8
1932.....	70.9	107	28	2.58	.....	9	18	8	4
1933.....	72.9	104	35	3.64	.....	9	17	9	4
1934.....	67.4	96	33	4.22	.....	12	13	9	8
1935.....	68.5	100	33	3.80	.....	10	14	9	7
1936.....	69.5	99	38	4.37	.....	12	13	9	8
1937.....	67.1	99	32	5.14	.....	11	12	10	8
1938.....	69.9	101	35	4.46	.....	13	12	9	9
1939.....	67.8	95	31	4.11	.....	13	10	11	9
1940.....	68.6	99	31	4.95	.....	12	14	7	9
1941.....	69.0	96	34	3.82	.....	13	10	10	10
1942.....	68.1	107	20	4.14	.....	11	13	10	7

Climatological Data for June, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches						No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation 01 in or more	Clear	Pt. cloudy	Cloudy			
Atlantic Drainage																					
Allentown.....	Lehigh.....	254	30	69.2	-0.5	88	13†	51	6†	5.72	+1.78	2.93	13	0	14	11	9	10	e.	Allent'n-Bethlehem Gas Co.	
Altoona(near).....	Blair.....	1,615	55	67.7	+1.1	87	7†	45	24	4.74	+0.89	0.81	3	0	15	12	12	6	w.	City of Altoona.	
Bedford.....	Bedford.....	1,120	10	70.3	+0.4	90	7	45	24	4.11	-0.06	1.36	2	0	13	11	3	16	nw.	Charles C. Lee.	
Bethlehem.....	Northampton.....	364	56	71.0	+0.4	92	20	51	2	3.75	-0.11	0.95	12	0	11	18	4	8	sw.	Lehigh University.	
Bloomsburg(near).....	Columbia.....	610	16	67.4	.....	90	20	44	6†	3.73	.....	1.41	1	0	12	11	7	12	nw.	Benjamin F. Conner.	
Burnt Cabins(near).....	Huntingdon.....	990	1	69.2	.....	93	12	44	16†	4.36	.....	1.02	4	0	13	8	9	13	se.	Penna. Turnpike Comm.	
Carlisle.....	Cumberland.....	473	73	71.6	+0.5	90	20	44	15	5.78	+1.92	1.71	1	0	16	15	4	11	se.	Clarence E. Miller.	
Chambersburg.....	Franklin.....	600	45	72.2	+2.1	93	7	49	24	4.62	+0.40	1.75	27	0	15	7	13	10	ne.	William B. Spear.	
Coatesville.....	Chester.....	431	55	72.2	+2.0	92	20	53	3	2.43	-1.77	1.07	27	0	12	6	6	18	nw.	Howard L. Pyle.	
Eagles Mere.....	Sullivan.....	2,020	1	.....	.....	.....	.....	.....	.....	1.44	.....	0.30	2	0	12	11	11	8	ne.	Carl E. Bigger.	
Emporium.....	Cameron.....	1,033	57	66.2	+0.3	89	12	41	16	3.03	-1.31	0.83	13	0	11	16	4	10	w.	E. M. Poorman.	
Ephrata.....	Lancaster.....	365	45	72.2	+2.5	94	20	51	24	2.82	-1.41	0.56	21	0	12	14	3	13	nw.	Ira J. Keath.	
Freeland.....	Luzerne.....	1,970	49	66.2	+1.2	85	7†	44*	6	4.68	-0.28	2.16	8	0	11	13	2	15	w.	Andrew B. Evansha.	
Gettysburg.....	Adams.....	553	69	71.2	+0.9	88	20	52	6†	5.48	+1.09	1.50	27	0	16	7	13	10	s.	Dr. Henry Stewart.	
Gordon.....	Schuylkill.....	900	38	67.8	+1.7	88	7†	43	24	3.11	-1.32	1.20	4	0	12	12	8	10	e.	Miss Sallie M. Johnson.	
Hanover.....	York.....	600	38	72.3	+0.9	90	7	52	16	4.84	+0.83	1.10	27	0	15	11	7	12	s.	Evening Sun.	
Harrisburg Airport.....	York.....	351	73	71.4	+1.1	91	20	54	16	3.63	+0.04	1.24	22-23	0	15	4	11	15	se.	U. S. Weather Bureau.	
Hawley.....	Wayne.....	900	24	66.6	+0.6	89	13	45	6†	5.83	+1.98	0.98	5	0	17	15	8	7	w.	Mrs. Della M. Pennell.	
Holtwood.....	Lancaster.....	200	27	72.8	+0.2	88	7†	55	2	3.04	-0.17	0.81	8	0	14	10	8	12	s.	Penna. Water & Power Co.	
Huntingdon.....	Huntingdon.....	700	55	69.6	+1.1	90	7†	45	16†	4.49	+0.37	1.21	7	0	16	8	9	13	e.	Prof. Paul R. Yoder.	
Kylertown.....	Clearfield.....	1,700	13	65.1	0.7	85	7	43	16	3.77	+0.21	0.91	1	0	14	1	13	16	s.	U. S. Weather Bureau.	
Lancaster.....	Lancaster.....	255	55	72.2	+2.1	90	20†	50	16	4.43	+0.37	1.98	27	0	12	16	5	9	nw.	Lancaster Water Bureau.	
Lawrenceville.....	Tioga.....	896	45	67.6	+1.5	89	12	45	16	3.00	-0.92	0.72	4	0	10	11	15	4	n.	Carlos P. Darling.	
Lebanon.....	Lebanon.....	469	58	70.6	+0.8	91	13†	50	24	4.06	+0.29	1.03	23	0	8	19	10	1	sw.	Lebanon Valley Gas Co.	
Lewistown.....	Mifflin.....	467	4	71.9	.....	94	7	40	16	4.23	.....	1.33	27	0	9	11	9	10	.....	Penna. Edison Co.	
Lock Haven.....	Clinton.....	557	52	68.4	-1.4	91	12	45	16†	2.82	-1.44	0.56	13	0	13	11	5	14	e.	William R. Kelley.	
Mareus Hook.....	Delaware.....	12	16	75.0	-0.1	96	20	55	2	2.32	-1.41	0.91*	27	0	10	19	4	7	s.	Sun Oil Co.	
Montrose.....	Susquehanna.....	1,176	37	64.4	+0.8	85	13	46	16	2.02	-2.10	0.50	1	0	17	13	6	11	sw.	Harry S. Fancher.	
Mt. Pocono.....	Monroe.....	1,720	36	63.2	+1.7	83	13†	43	2†	4.87	+0.11	1.08	20	0	16	13	4	13	nw.	Cecil J. Hoskinson.	
Neshaminy Falls.....	Bucks.....	80	53	69.2	+0.1	92	7	48	25	5.23	+1.36	2.17	14	0	14	15	1	14	w.	Phila.-Suburban Water Co.	
Palmerton.....	Carbon.....	455	24	68.9	+0.9	91	20	48	6†	4.88	+1.17	1.57	12	0	14	12	7	11	s.	New Jersey Zinc Co.	
Philadelphia City Office	Philadelphia.....	26	71	72.6	+1.2	93	20	55	2	2.13	-1.11	0.92	16-27	0	14	9	9	12	nw.	U. S. Weather Bureau.	
Phoenixville.....	Chester.....	100	32	73.2	+1.6	94	7†	48	6	6.05	+2.68	4.22	13	0	10	16	11	3	sw.	Phila.-Suburban Water Co.	
Port Clinton.....	Schuylkill.....	407	4	69.1	-0.1	91	21	46	6†	2.81	-1.65	0.85	12	0	12	10*	8*	12*	.....	Earl E. Rarick.	
Quakertown.....	Bucks.....	480	57	67.8	-0.6	86	19†	46	6	4.98	+1.07	1.60	12	0	14	12	7	1	nw.	John E. Benner.	
Reading.....	Berks.....	273	72	71.8	+1.4	91	20	55	3	4.74	+1.19	1.63	7-23	0	14	10	6	14	nw.	U. S. Weather Bureau.	
Seranton.....	Lackawanna.....	746	48	68.6	+0.8	87	29	50	15	3.71	+0.01	0.88	7-8	0	17	6	14	10	n.	U. S. Weather Bureau.	
Selinsgrove.....	Snyder.....	476	52	69.2	+0.1	90	21	44	2†	1.96	-2.17	0.62	1	0	9	9	11	10	sw.	Dr. George E. Fisher.	
State College.....	Centre.....	1,217	58	68.4	+1.6	90	7	46	16	3.28	-0.84	1.12	26	0	14	3	17	10	nw.	Penna. State College.	
Stroudsburg.....	Monroe.....	440	28	69.6†	+2.8	92†	21	16*	6	.....	.....	0.80*	23	0	.....	12	9	9	nw.	Metropolitan Edison Co.	
Towanda.....	Bradford.....	754	48	67.6	+1.8	87	9†	44	16†	2.65	-1.17	0.57	3	0	16	11	6	13	n.	Mrs. M. Ordella Parks.	
Wellsboro.....	Tioga.....	1,319	72	64.5	0.0	88	12	41	24	2.47	-1.26	0.50	2†	0	10	7	17	6	w.	M. S. Bliss.	
West Chester.....	Chester.....	410	93	70.4	+0.8	90	13†	51	24	4.33	-0.22	2.21	12	0	14	15	6	9	n.	Clyde T. Saylor.	
Wilkes-Barre.....	Luzerne.....	544	4	68.1	.....	88	13†	48	24	3.18	-0.80	0.82	22	0	14	7	9	14	sw.	U. S. Communication Sta.	
Williamsport.....	Lycoming.....	550	56	70.4	+1.4	92	29	43	15	1.10	-2.76	0.27	3†	0	9	15	8	7	sw.	John D. McKwen.	
Williamstown.....	Dauphin.....	1,275	27	68.5	+0.2	87	7	55	15†	4.28	-0.23	1.30	23	0	10	15	9	6	sw.	Susquehanna Collieries.	
York.....	York.....	400	54	72.1	+1.9	92	1†	49	16†	7.17	+0.42	1.93	13	0	17	10	13	7	nw.	York Water Co.	
Division mean.....	.....	.....	.....	69.5	+1.4	96	20	40	6†	3.87	-0.27	4.22	13	0	13	11	8	11	nw.	.....	
Ohio Drainage																					
Bradford.....	Mc Kean.....	1,680	1	65.2	.....	87	30	37	16	3.49	-0.58	0.95	1	0	11	5	12	13	w.	City Water Dept.	
Brookville.....	Jefferson.....	1,400	52	65.4	+1.8	87	30	43	15	2.67	-1.67	0.98	30	0	16	4	17	9	w.	Civil Aeronautics Auth'y.	
Butler.....	Butler.....	1,077	29	70.8	+2.8	93	30	45	24	3.17	-1.49	0.87*	1	0	14*	.....	.....	.....	.....	Butler Eagle.	
Claysville.....	Washington.....	1,170	37	69.4*	+0.1	89*	9	45*	18†	3.19	-1.11	0.85	13	0	12	14	10	6	w.	Harry B. Montgomery.	
Corry.....	Erie.....	1,430	29	66.2	+0.9	90	10†	40	16	5.19	+0.38	1.90	2	0	11	12	1	17	w.	Penna. Electric Co.	
Coudersport.....	Potter.....	1,653	15	64.1	+0.3	88	11†	34	16	3.22	-0.99	0.63	1	0	13	10	8	12	nw.	Phillip R. Shaw.	
Derry.....	Westmoreland.....	1,150	45	70.8	+2.0	91	11†	49	16	4.15	-0.79	0.61	21	0	14	13	12	5	w.	Miss N. Dixie Wineman.	
Ebensburg.....	Cambria.....	2,170	25	64.4	-0.5	84	7†	42	24	4.51	-0.33	0.86	2	0	14	11	9	10	n.	Norman R. Gillin.	
Edinboro.....	Erie.....	1,220	10	69.5*	+2.7	90*	29	44*	15†	4.50	+0.29	1.10	22	0	12	16	5	9	nw.	Wallace J. Snyder.	
Franklin.....	Venango.....	987	68	67.4	+1.2	89	30	46	16†	2.13	-2.00	0.49	17	0	14	9	11	10	w.	William K. Fuller.	
Greensburg.....	Westmoreland.....	1,160	33	70.9	+2.3	89	6†	49	18	4.35	-0.04	1.15	4	0	15	7	19	4	sw.	Westmoreland Water Co.	
Grove City.....	Mercer.....	1,350	35	69.4	+2.9	90	6	48	18	3.50	-0.57	1.12	11	0	12	9	12	9	se.	Prof. H. W. Harmon.	
Indiana.....	Indiana.....	1,300	41	68.5	+0.7	88	30	45	15†	4.98	+0.23	1.03	7	0	16	10	14	6	se.	Indiana State Teachers Col.	
Johnstown.....	Cambria.....	1,650	60	68.6	-0.8	86	1†	46	24	5.21	+0.01	0.98	1	0	17	16	7	7	s.		

Day of month

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Stations	Counties	Day of month																																Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
<i>Susquehanna Basin (continued)</i>																																			
JUNIATA																																			
Altoona (near).....	Blair.....		.59	.19	.81	.63				.27	.16			.46			.04	.06				.39	.07	.11				.63	.19				4.74		
Bedford ²	Bedford.....	T.	1.36		.42	.40				.10			.07	.04	.17	.04		.05				.20	.25	.18				.83					4.11		
Breezewood Intch ³	Bedford.....		.40	.12	.50	.24			.15	.02			.15	.31	.02	T.		.05				.31	.16				.68	.30		.87		6.38			
Buffalo Mills ²	Bedford.....		.23	.38		.02	.39			.33				.20	.15	.15						.16		.38			.89					3.28			
Burnt Cabius (nr.) ³	Huntingdon.....		.96		.57	1.02			.03				.07				.11	.08			.02	.12	.11	.22			.81	.24				4.36			
Charter Oak (nr.) ¹	Huntingdon.....		.26	.07				.20					.10	.38	.02	T.		.08				.22	.21				.62	.13		.21		2.50			
East Waterford ²	Perry.....		.50	.14	.02	.75	.40			1.61	.04		.03	.01	.24	.01		.08		T.		T.	.18		.38			.85	.01			5.50			
Huntingdon.....	Huntingdon.....		.58	.22	.04	.09	T.		1.21	.04		.09			.48			.02				.15	.16	.17			.57	.61	.03	.03		4.49			
Lewistown ²	Midlin.....		.84	.12	T.	.41	.13			.21				.72				.02				.45	T.				1.33					4.23			
Loop Mt. Tower ²	Huntingdon.....			.39	.05	.03	.33			1.33	.04		.03		.30			.03				.20		.31			1.10	.03				4.17			
Mapleton Depot ²	Huntingdon.....		.27	.20	T.	.05	.85			.95	.02			.20	.70			T.				.23		.11			.90					4.48			
Marionburg ¹	Blair.....		.60			.27			.05	.04			1.4	2.00	.03	.08		.02				.32	.26				.76	.02		.10		4.69			
Newport ²	Perry.....		.48	.14	.01	.02	.09			.38	T.			1.29				.09				.06	.12	.20			.62					3.50			
Saxton ²	Bedford.....	T.	.69	.02		.67			1.02	.02	T.		.04	.04	.10	T.		.02				.34	T.	.74			*.90	*.90	T.			4.66			
Shade Gap ¹	Huntingdon.....		.61		.81	.94		.46				.09	.20	.09			.02					.28	.30			*	*	*</							

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Daily Precipitation for June, 1942—Continued from Page 39

Stations	Counties	Day of month																														Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31
ALLEGHENY (continued)																																	
Seward ^{1,2}	Indiana		.69	.28	.56	.12			.84	T.				.24		.14		.08	.02			.52		.16				.76			.02		1.70
Smithport ²	McKean		1.70	.03	T.	.33			.03				.05	1.10		.03		.35	.35			.48	T.	T.	T.	T.							4.45
Stroutstown ¹	Indiana	1.05	.11	.03	.22			1.16	.14			.65	.52	.11	.07		.16	.02		.07		.63	.16	.10			.47						5.67
Tiamoga Dam ¹	Forest	.05	.02		.28							.30	.08	.03	.23		.13				.01	.12	.02		.17					.34		1.78	
Titusville ¹	Crawford	.55	.18		.51					.01		.24	.05	.10	.07		.18	.03			.05	.02	.02		.10					.61		2.72	
Union City ¹	Erie	.79	.10		.13			.13				.06	.12	.02	.23		.06				.07		1.11	.02					.80		3.67		
Vandergrift ³	Westmoreland	.33	.10	.48	.10			.55	.12			.24		.30	.35							.64	.07				.26					3.64	
Warren ²	Warren	T.	1.16	.03		.30			.08			T.	.02	.17	T.	.09		.36	.02			.43	.05	.05	T.	.14						3.20	
Youngsville ¹	Warren	1.88	.05		.30		.05	.03				.03	.22	.02	.12		.28	.05			.20	.09	.10		.03					.46		3.91	
MONONGAHELA																																	
Confluence ²	Somerset		.42			.13			.89	.04		.03	.03	.48	.11	.29		.03	T.		T.	.18	.38	.47				.42	.01			3.91	
Connellsville ²	Fayette		.35		.15				1.98	.13		.09	.14	.48	.26	.18		T.		T.		.24	.36	.46				.36				4.83	
Donora ¹	Washington			.69				.04	.63			.09	.14	.04	.80		.01	.01				.35	.35					.17			.06	3.38	
Greensboro ²	Greene		.10	.01		.10			.26			.18	.01	.25	.30	.71		.17	.01	T.	.36	.16	.45	.59			.56					4.22	
Greensburg	Westmoreland	.03	.02	T.	1.15			.23	.21	.32				.13	.81		.01				.02	.65	.11	.39			.21	.03				4.35	
Irwin	Westmoreland	T.	T.	.35	2.12	.06		.03	.22	.06		.48		.12	.34		T.	.06				.74	.11	.10			.15					4.94	
Meyersdale ²	Somerset	.32	.63			1.43			.52			.06	.13	.09	.13	.09		.14		.01		.18	.17	.23				.54				4.67	
Murrysville ¹	Westmoreland	.35		.46	.02			.45	.59			.22	.10	.09	.14		.09				.01	.33	.09			.15						3.09	
Newell ¹	Fayette				.50	.05			.11					.02	.56							.30		.50			.02	.30				2.46	
Pittsburgh Arpt. ^{1,4}	Allegheny	.15	T.	.83	T.			.10	.23	.03	T.	.20	.88	.05	.43		.01	.02			.40	.42	.15			.09				.01		4.00	
Somerset	Somerset	.19	.58	.31	.32	.07		.45	.16			.09		.31	.37		.04	.13				.22	.29	.42			.35	.23				4.47	
Spring	Somerset	.54	.98	.30	.25	.04		.43	.20	.01		.15	.01	.14	.14	.01		.20				.23	.28	.21			.40	.14				4.66	
Uniontown	Fayette						1.85	.48				.02		.27	.98		.02			T.		.24	.83	.21			.39	.13				5.33	
Waynesburg	Greene					.12			.53			.08			.78							.42	.61				.26					2.80	
BEAVER																																	
Beaver Falls ²	Beaver	T.	.01		1.41				T.		.14	.18	2.05	.02	.01	.08		.16	T.			.37	T.	T.		.11		.03				4.60	
Butler	Butler	* 1.10	.20	.02				.05				.03	.16	.51		.10		.18	.02	.06			.73				.01					3.17	
Greenville	Mercer	.14	.35	.09	.28			.20	.03		.02	.01	.21	.06			.14	T.			.03	.32	.43			.05	T.	.02			.58	2.96	
Grove City	Mercer	.22	.01					.01	T.			1.12	.27	.08	.04		.21	.22				1.09		.01						.22		3.50	
Mercer ⁵	Mercer	.29	.44	.03				T.			T.	.11	.17	T.	.05		.25	T.	T.		.35	.01	.13		.03	T.				.40		2.26	
New Castle	Lawrence	.97	.25	.56	.14			.11				.42	.31	.12	.07	.01	.09	.45	T.	T.		.36			T.	.01	.02	T.				4.89	
Penn Line ²	Crawford	.09	.70					.31				.02	.99	.45	.28	.02		.13				.20	T.	.35			.02					3.56	
Pymatuning Dam ²	Crawford	.63	.05	.15	.03	T.		.31				.04	.32	.53	.31	.02		.12				.21	.03	.15		.01						2.94	
Sharon ²	Mercer	.80	.02	.07	.06			T.				.03				.17	.06	.01	.27			.85	.02	.09								2.45	
OHIO																																	
Claysville ²	Washington	.01			.65							.15		.85	*	.66		.04	.01			.41	.14	.09				.18				3.19	
Corapolis ²	Allegheny		.12		1.01			.05		.25		.06	1.46	.25	.01	.13		.09	T.			.36	.04	T.		T.	.02	.08				3.96	
Midland ²	Beaver		.84		.67	.04		T.				.04	.57	.04	.06	.10		.13				.21	T.	.08		.02		.03				2.83	
Mt. Lebanon	Allegheny	.03	.37	.25	.70			.39	.26		T.	.05	T.	.42	.15		.02	.03				.52	.05				.12			.05		3.81	
Washington ¹	Washington				.02			.09				.12	.49	.01	.32		.03					.36	.02	.20			.14				.05	1.85	
LAKE DRAINAGE																																	
Erie ¹	Erie	.05	.06					.01				.12	.09	.02	.36		.01				.26		.20				T.			.35		1.53	
Raymond ¹	Potter	.43	.01	.11	.40	.03						.23	.36	.04			.38	.07		.02		.05			.03	.04	.08	.08		.62		2.98	

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ⁵ Precipitation for period, 1:30 a. m. of date on which amount is recorded to 1:30 a. m. following date. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. § Incomplete or missing. † Daily amounts inconsistent. T.(trace), when precipitation is less than .01 inch. // Record partially estimated.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind**				Relative Humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Erie	29.97	30.29	25	29.65	12	6.6	20	w.	23	84	....	75	46
Harrisburg	29.97	30.31	26	29.62	14	6.9	43	sw.	12	80	56	69	60
Kylertown	30.00	30.32	27	29.67	14	10.4	36	nw.	30	89	61	76	
Philadelphia	29.96	30.33	26	29.55	14	10.6	30	nw.	14	79	51	64	59
Pittsburgh	29.97	30.25	28	29.68	14	8.8	34	sw.	12	83	58	68	56
Reading	29.97	30.33	26	29.60	14	9.5	31	nw.	14	78	52	51	60
Scranton	30.00	30.33	26	29.66	14	5.6	31	nw.	19	81	61	51	51

* For any five-minute period.
† Local noon ‡ 3:00 p. m. ** Corrected to true velocities.
§ 4:00 p. m.

RIVER CONDITIONS

Stations	Rivers	Mean Stage	Highest stage	Date	Lowest stage	Date	Flood Stage
Port Jervis, N. Y.	Delaware	3.6	5.0	16	2.4	29	18
Easton	Delaware	4.0	6.8	16	2.1	30	22
Lehigh	Lehigh						9
Reading	Schuylkill	5.3	7.6	5	4.4	30	11
Wilkes-Barre	N. Br. Susquehanna	4.7	7.5	6	2.7	30	22
Williamsport	W. Br. Susquehanna	2.2	4.6	5	0.8	30	20
Newport	Juniata	4.8	6.7	6	3.9	26	22
Harrisburg	Susquehanna	4.2	5.2	5	3.6	30	17
Shenley, Lock No. 5	Allegheny	12.9	14.3	4	12.0	29	24
Schenley	Youghiogheey	4.0	6.1	8	3.3	22	20</

Daily Temperatures for June, 1942

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown ²	Maximum.....	72	61	71	76	82	83	86	80	82	80	83	81	88	78	78	80	72	81	87	88	86	86	76	75	73	67	82	86	86	79.2	
	Minimum.....	58	52	52	54	59	51	57	67	60	58	62	71	68	70	54	51	59	61	59	62	65	62	63	51	53	55	59	60	60	59.1	
Altoona (near).....	Maximum.....	81	64	82	83	81	82	87	73	75	79	84	87	84	78	73	71	67	78	84	86	84	86	74	72	75	73	65	74	80	77.8	
	Minimum.....	59	58	58	60	61	51	63	61	62	66	67	63	65	55	48	46	57	51	58	63	61	59	57	45	50	52	58	59	55	58	57.6
Arendtsville.....	Maximum.....	84	65	75	85	85	86	90	81	78	76	87	90	85	82	77	79	75	81	87	89	89	86	83	76	79	75	64	80	84	86	81.2
	Minimum.....	62	52	59	65	63	56	60	65	66	65	69	73	65	68	55	54	61	54	62	68	69	63	63	49	53	56	60	62	60	60	61.2
Bedford.....	Maximum.....	67	67	85	85	85	84	90	73	79	78	86	89	86	84	75	76	73	78	85	88	84	82	77	75	77	77	66	77	83	86	80.2
	Minimum.....	65	60	60	60	58	54	62	64	67	68	69	75	66	60	49	46	59	58	60	65	61	60	60	45	49	55	60	61	74	58	60.4
Bethlehem ³	Maximum.....	64	59	70	75	84	87	88	81	85	82	84	84	88	76	79	85	70	83	88	92	87	78	82	75	77	77	60	61	74	58	80.3
	Minimum.....	55	51	52	62	63	65	66	68	62	60	70	69	71	57	54	57	62	61	63	64	68	65	62	57	57	58	60	62	64	62	61.6
Bloomsburg (near).....	Maximum.....	75	62	74	82	77	84	88	80	85	82	87	85	88	82	74	79	69	81	85	90	85	82	78	74	78	74	68	81	86	79.7	
	Minimum.....	60	51	54	61	50	44	47	62	56	58	62	67	65	59	49	44	56	58	51	59	62	58	56	44	41	50	62	80	83	59	55.1
Blue Mt. Interchange ³	Maximum.....	70	62	78	86	84	84	90	78	82	80	88	92	88	80	82	78	75	82	87	90	88	77	78	75	78	70	62	80	83	84	80.5
	Minimum.....	60	52	59	59	64	58	64	67	68	68	70	70	64	58	54	60	60	61	62	66	68	64	64	50	52	58	58	62	72	61	61.3
Bradford.....	Maximum.....	82	74	79	79	77	84	88	80	83	83	84	81	77	67	67	61	73	80	80	77	76	73	65	69	70	74	79	82	87	76.7	
	Minimum.....	62	62	61	56	55	51	60	58	59	69	69	64	66	52	41	37	49	41	49	54	54	54	52	44	42	50	58	48	51	60	53.6
Breezewood Intchg ³	Maximum.....	76	69	86	84	84	86	91	76	81	82	88	88	86	74	76	78	80	84	86	88	89	78	72	72	72	72	64	86	87	81.5	
	Minimum.....	60	61	61	62	60	54	64	64	70	68	70	68	65	59	48	54	50	62	64	66	62	51	47	48	58	60	60	60	60	60	59.6
Brookville ⁵	Maximum.....	83	78	82	79	80	84	84	79	78	86	85	83	82	64	71	67	61	75	82	85	70	72	72	67	74	68	73	76	83	87	77.1
	Minimum.....	58	60	60	57	53	50	50	56	52	60	64	62	55	46	43	45	47	44	52	57	59	56	48	46	47	53	55	53	50	60	53.6
Burnt Cabins (near) ³	Maximum.....	67	64	81	85	84	84	92	77	82	82	89	83	82	74	76	77	74	84	84	86	88	86	80	76	80	73	64	82	84	84	80.6
	Minimum.....	60	55	58	60	60	52	62	64	66	67	68	68	62	54	48	44	56	50	56	63	63	58	54	44	47	52	58	60	57	62	57.8
Butler.....	Maximum.....	87	86	87	87	85	89	85	81	91	91	89	87	86	86	75	67	75	79	85	89	82	74	72	75	79	72	68	85	92	93	83.3
	Minimum.....	61	62	63	60	55	50	55	59	62	63	69	66	69	59	50	49	54	46	60	59	60	61	53	45	49	54	62	61	63	70	58.3
Carlisle.....	Maximum.....	85	67	76	85	87	85	89	78	80	84	86	86	85	83	75	80	75	83	88	90	88	86	80	77	78	73	79	85	83	86	82.3
	Minimum.....	60	53	57	65	63	55	62	65	67	66	68	68	65	65	44	50	62	58	63	67	68	63	63	51	55	57	63	58	60	62	60.8
Chambersburg.....	Maximum.....	81	65	84	90	88	88	93	76	83	80	90	92	89	80	81	80	77	86	91	89	82	78	79	82	77	66	82	87	85	81	83.2
	Minimum.....	62	54	59	65	59	54	63	67	68	69	69	72	69	64	53	50	59	56	63	65	69	64	62	49	51	57	59	62	57	61	61.1
Claysville ²	Maximum.....	88	84	84	85	88	88	81	78	89	86	86	85	83	75	71	68	67	77	82	82	82	71	71	70	76	69	78	84	87	88	79.9 ^a
	Minimum.....	65	68	62	60	59	59	60	70	70	69	69	69	70	63	54	50	55	45	45	61	65	61	52	46	40	48	58	53	56	60	58.9 ^a
Coatesville.....	Maximum.....	77	66	72	83	82	87	90	80	85	84	88	87	91	86	78	82	81	86	86	92	90	85	83	78	79	78	63	81	87	85	82.3
	Minimum.....	59	54	53	63	64	60	65	69	63	63	71	72	71	64	54	62	62	62	62	72	67	66	55	56	54	58	61	62	64	62	62.2
Corry ²	Maximum.....	84	82	84	81	80	86	73	80	85	90	85	84	84	59	66	66	65	78	83	85	73	80	69	68	73	76	81	82	87	90	78.7
	Minimum.....	57	57	61	57	52	50	60	56	50	63	65	65	61	55	42	40	49	43	51	58	64	55	48	45	43	50	51	50	50	63	53.7
Coudersport.....	Maximum.....	78	67	80	80	81	85	75	82	79	85	88	88	87	78	72	70	63	79	84	86	81	73	70	71	76	68	69	79	86	87	78.2
	Minimum.....	58	53	54	55	50	45	55	52	41	54	62	60	62	45	38	34	46	44	40	52	56	52	49	36	41	42	52	50	56	53	50.0
Derry.....	Maximum.....	85	86	86	83	82	89	85	81	84	88	91	89	88	84	72	74	65	73	82	84	83	78	73	70	80	75	79	82	89	91	81.7
	Minimum.....	62	61	62	61	58	54	66	66	66	69	71	70	69	58	51	49	57	50	54	65	66	61	58	52	50	52	54	57	60	66	59.8
Ebensburg ²	Maximum.....	81	79	80	80	76	83	84	73	74	79	84	84	79	60	69	67	61	73	79	81	76	68	70	69	71	64	61	72	79	82	74.6
	Minimum.....	58	57	54	57	57	51	60	58	57	62	63	62	62	54	43	43	52	46	56	59	61	55	52	42	45	50	44	48	53	58	54.3
Edinboro.....	Maximum.....	80	79	79	82	76	88	74	77	84	89	84	84	81	75	65	67	69	77	80	84	81	79	66	65	73	77	83	82	90	89	78.4 ^a
	Minimum.....	60	60	60	59	54	52	62	57	52	64	66	66	66	55	44	44	52	47	69	72	68	65	56	55	61	66	71	70	77	73	60.6 ^a
Emporium ²	Maximum.....	72	68	80	82	80	82	87	82	83	86	89	84	78	73	72	62	78	84	86	78	75	71	71	75	70	76	77	84	88	88	78.5
	Minimum.....	54	60	58	60	56	48	51	52	48	54	66	65	67	52	42	41	51	47	52	55	62	59	55	47	47	50	55	56	54	56	54.0
Ephrata.....	Maximum.....	77	69	73	85	87	88	92	82	86	82	86	89	92	88	82	84	78	85	87	94	90	81	84	80	80	76	66	81	88	87	83.4
	Minimum.....	59	55	55	65	60	52	60	66	63	64	70	72	68	69	55	52	60	59	61	66	68	63	65	51	53	55	60	62	60	59	60.9
Erie ³	Maximum.....	64	68	75	81	70	82	77	68	79	90	85	84	75	67	64	56	67	74	77	77	72	77	67	66	70	75	74	78	83	89	74.7
	Minimum.....	54	53	58	66	61	62	61	57	57	70	71	71	66	57	53	54	57	59	64	61	61	63	69	57	54	62	59	62	65	68	60.8
Franklin ²	Maximum.....	85	83	84	83	81	87	75	82	81	87	85	81	83	63	69	66	65	77	84	86	86	75	70	68	75	70	77	80	87	89	75.8
	Minimum.....	63	64	64	62	57	51	52	60	55	56	66	66	66	61	49	46	49	46	46	56	60	60	52	48	49	50	56	57	54	55	55

Daily Temperatures for June, 1942—Continued from page 41

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Midway.....	Maximum.....	86	86	88	86	87	91	88	84	85	92	93	89	85	82	71	71	68	79	85	87	84	81	74	73	78	76	81	83	90	92	83.1
Midway.....	Minimum.....	65	63	68	64	62	58	63	66	68	67	67	69	60	56	56	56	56	52	65	64	66	64	66	61	62	60	61	58	61	68	61.7
Montrose ²	Maximum.....	52	55	71	78	72	79	79	80	83	82	78	80	85	63	68	73	65	76	83	80	79	71	76	69	71	68	71	80	81	81	74.5
Montrose ²	Minimum.....	49	47	47	51	57	50	56	58	56	57	59	65	65	62	48	46	49	53	54	58	59	59	57	47	47	50	51	54	56	54.3	
Mt. Lebanon.....	Maximum.....	89	86	85	86	82	87	88	78	82	87	89	86	84	74	72	67	61	80	81	86	83	72	74	72	76	68	77	80	88	89	80.4
Mt. Lebanon.....	Minimum.....	62	63	62	62	67	56	66	66	68	67	69	67	69	57	53	54	54	50	66	65	65	65	54	50	50	61	60	56	62	68	61.1
Mt. Pocomo.....	Maximum.....	72	51	60	56	71	75	75	63	78	72	75	77	83	80	73	76	74	73	82	75	80	75	83	74	78	67	62	77	80	80	73.2
Mt. Pocomo.....	Minimum.....	48	43	48	52	52	59	58	60	56	52	63	65	60	58	45	45	55	53	51	52	59	56	57	45	43	48	52	48	57	55	81.6
Neshaminy Falls.....	Maximum.....	72	68	68	81	82	82	78	80	83	85	81	90	75	80	80	84	85	88	87	90	87	81	83	75	79	78	82	85	83	81	56.9
Neshaminy Falls.....	Minimum.....	55	50	52	60	62	50	60	50	52	55	65	66	65	58	52	51	51	60	60	58	62	62	52	59	48	51	58	55	59	61	81.9
New Castle.....	Maximum.....	74	86	86	84	87	90	87	81	85	90	89	85	83	82	71	71	69	80	80	87	82	81	77	70	78	77	80	81	91	92	81.9
New Castle.....	Minimum.....	62	63	62	63	58	53	63	64	62	66	70	67	69	59	52	50	51	50	60	61	61	62	52	50	50	57	58	54	63	69	81.9
Newell ³	Maximum.....	85	85	83	82	89	91	86	78	84	89	89	88	85	70	72	71	66	78	83	83	82	72	73	71	79	68	75	82	89	80	61.1
Newell ³	Minimum.....	65	64	62	62	62	56	61	67	66	65	68	67	69	57	56	53	56	50	66	65	65	64	57	52	53	57	62	55	61	68	61.1
Palmerton ³	Maximum.....	62	60	72	78	83	88	80	86	82	85	81	90	76	78	87	73	84	89	91	87	76	83	77	79	75	67	83	87	78	78	80.1
Palmerton ³	Minimum.....	56	51	54	63	57	48	61	64	60	56	70	68	68	55	53	51	60	59	55	61	63	62	59	48	51	51	57	58	55	54	57.7
Philadelphia Airport Station ⁵	Maximum.....	76	63	71	83	85	88	92	76	85	85	85	81	92	84	81	85	82	84	86	93	90	85	80	80	80	66	63	83	85	87	82.7
Philadelphia Airport Station ⁵	Minimum.....	55	55	55	64	61	59	64	64	62	61	70	71	69	60	57	58	62	60	66	66	70	68	63	57	59	55	61	61	62	64	62.2
City Office ³	Maximum.....	72	62	69	81	85	88	89	76	81	83	83	82	90	82	81	83	80	82	83	93	89	84	82	78	78	77	66	80	85	85	81.0
City Office ³	Minimum.....	57	55	55	64	68	65	67	67	63	63	70	70	69	59	57	61	65	62	69	70	72	70	66	61	62	64	60	64	67	65	64.2
Fraunklin Institute ²	Maximum.....	74	61	72	83	85	90	99	83	83	85	85	81	92	83	83	82	79	82	85	92	88	83	83	79	78	80	66	80	83	87	81.9
Fraunklin Institute ²	Minimum.....	40	55	55	59	66	63	65	70	65	63	66	73	70	72	56	57	66	61	68	71	76	71	68	58	61	61	62	61	64	65	64.4
Shawmont.....	Maximum.....	77	69	72	80	83	88	90	88	82	84	82	84	91	88	81	81	83	82	84	90	90	87	82	81	77	78	75	82	85	85	82.7
Shawmont.....	Minimum.....	59	56	55	64	63	54	65	66	61	61	70	69	71	72	56	55	61	60	63	65	68	67	51	56	54	61	63	61	63	62.0	
Phoenixville.....	Maximum.....	85	75	71	82	88	90	91	90	85	85	85	88	93	91	83	85	85	88	94	94	91	88	81	82	78	78	68	82	84	87	85.8
Phoenixville.....	Minimum.....	59	52	56	65	56	48	61	69	62	59	68	69	68	63	62	51	66	59	59	64	66	61	67	49	51	58	61	64	59	59	60.7
Pittsburgh Arpt Sta. ³	Maximum.....	86	85	85	85	81	89	86	77	81	87	86	87	81	71	72	68	64	78	82	85	81	70	71	70	77	67	77	80	89	89	79.7
Pittsburgh Arpt Sta. ³	Minimum.....	66	63	61	65	64	61	68	60	67	68	68	66	55	52	55	55	54	66	66	65	62	57	55	55	61	60	58	63	67	67	62.0
Pittsburgh City Office ³	Maximum.....	89	88	88	88	84	90	88	80	84	88	87	87	85	71	74	70	67	80	85	87	83	73	73	76	70	78	82	90	91	91	81.7
Pittsburgh City Office ³	Minimum.....	66	66	67	67	65	69	69	67	70	71	71	72	71	58	58	58	53	69	69	68	63	61	56	56	61	61	56	63	70	70	63.9
Port Clinton.....	Maximum.....	86	66	69	76	80	86	85	82	82	80	83	85	83	77	81	81	80	84	88	91	84	78	78	76	77	72	80	85	86	86	80.7
Port Clinton.....	Minimum.....	58	53	53	55	58	46	52	45	67	63	66	62	63	67	54	48	58	58	56	62	64	62	62	46	47	51	59	60	57	56	57.5
Pymatuning Dam ²	Maximum.....	83	81	84	85	78	86	72	78	84	88	85	80	81	65	72	70	76	84	83	77	78	68	68	73	72	79	82	89	88	88	78.3
Pymatuning Dam ²	Minimum.....	63	61	60	62	53	54	60	60	55	66	68	63	70	57	48	54	45	55	58	63	59	48	46	45	54	60	55	56	53	53	57.1
Quakertown.....	Maximum.....	75	62	70	76	81	84	81	79	81	80	83	80	81	78	78	75	76	80	86	85	84	83	80	76	74	74	68	81	85	84	78.7
Quakertown.....	Minimum.....	56	51	51	61	59	46	61	65	56	54	66	66	65	66	52	48	58	57	57	60	62	61	62	49	52	52	48	51	57	56	56.8
Reading ³	Maximum.....	72	64	73	81	84	86	86	79	84	82	85	83	88	86	80	82	76	83	86	91	87	77	81	77	77	75	66	81	86	85	80.8
Reading ³	Minimum.....	58	56	55	64	64	57	68	70	63	63	71	72	71	59	57	56	62	62	66	71	68	66	62	56	58	58	61	62	63	65	62.8
Ridgway ²	Maximum.....	80	75	81	81	81	84	85	81	80	87	88	86	84	63	73	71	60	78	83	85	74	73	73	69	75	69	75	78	85	89	78.2
Ridgway ²	Minimum.....	58	60	59	58	55	48	49	59	46	49	59	60	63	49	41	39	43	43	43	44	50	56	55	39	40	45	53	52	49	51	50.9
Scranton ³	Maximum.....	64	59	73	81	78	84	87	82	86	84	83	85	85	71	73	78	70	80	87	83	81	73	78	73	74	75	74	83	87	86	78.6
Scranton ³	Minimum.....	52	52	54	64	60	51	66	64	62	59	69	69	68	53	50	54	61	59	57	60	64	64	59	52	52	52	58	56	59	60	58.7
Selingsgrove.....	Maximum.....	72	69	75	80	81	82	86	82	82	80	85	85	85	81	76	78	77	81	85	88	90	88	78	76	76	76	70	79	83	85	80.4
Selingsgrove.....	Minimum.....	62	54	55	64	58	50	65	63	58	64	67	69	64	61	51	46	59	55	56	62	60	59	58	44	47	52	60	58	55	63	58.0
Sharon.....	Maximum.....	81	84	85	90	89	92	92	83	89	96	96	94	88	66	72	71	69	81	88	90	90	76	76	73	78	78	83	86	93	96	84.7
Sharon.....	Minimum.....	66	69	67	67	60	57	68	66	64	71	74	72	73	57	54	54	55	49	62	66	69	65	56	57	53	63	63	60	60	72	63.0
Somerset.....	Maximum.....	80	81	81	78	79	85	82	72	76	77	79	82	82	79	74	68	69	71	76	78	78	76	69	65	72	71	68	75	82	83	76.3
Somerset.....	Minimum.....	57	58	56	58	55	49	60	63	64	63	66	62	65	56	47	43	54	44	59	63	62	56	56	46	41	51	59	58	57	58	56.3
Springs.....	Maximum.....	83	81	80	76	78	83	82	67	74	76	81	83	78	68	67	67	64	72	74	78	74	74	70	65	70	63	70	75	78	82	74.4
Springs.....	Minimum.....																															

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER

HARRISBURG, PA.

VOL. XLVII.

JULY, 1942.

No. 7.

GENERAL SUMMARY.

For the fifth successive month, temperatures averaged above normal. July's excess was slight, however, and the accumulated excess for the year remains 1°. Southeastern stations show the greatest excesses, with averages in the northwest mostly below normal. A few stations reported maxima of 100° or over. Precipitation was frequent and considerably above normal, resulting in a surplus of 0.78 inch for the year. Amounts were light in southwestern sections but above the normal elsewhere, with heaviest rainfall in north-central counties. Widespread damage, with some loss of life, occurred in connection with the unusually severe storms in all sections of the State.

The most damaging storm, on the 17-18th, caused sudden flooding in Cameron, Clinton, Elk, McKean, and Potter counties, with 24-hour rainfall records broken at several stations. Coudersport had 8.48 inches, Smethport established a new record of 6.68 inches, and Emporium recorded 7.53 inches before the flood covered the gage. Previous records at all these stations were established in the storm of May 30-31, 1889. As a result of these heavy rains, river stages broke all records on the Driftwood Branch and the First Fork of Sinnamahoning Creek, the Upper Allegheny River above Kinzua, Warren county, and in the upper reaches of the Clarion River. Eleven lives were lost in the flood and one man was killed by lightning. Communities were isolated for brief periods, thousands were driven from their homes, numerous bridges damaged or destroyed, and railroads blocked by landslides and high water. Unofficial records, now being investigated, indicate much heavier rain occurred in the ungaged area within the periphery formed by the stations mentioned above. These additional data will be reviewed in a subsequent issue of this bulletin. Fire destroyed several buildings. Total property damage was estimated at several millions of dollars. Stricken areas were aided by Federal, State, and other organizations.

South-central counties experienced local floods due to heavy rains on the 2d, 20th, 26th, and 27th. At Ephrata, 4 50 inches of rain fell in 3 hours and 10 minutes on the 26th and two persons were drowned in that section. Philadelphia's streets and subways were flooded by heavy downpours on the 27th and 31st, with a death toll of five, due to lightning and rain. On the 6th damage estimated at over \$350,000 resulted from high winds and hail in Luzerne and Monroe counties, while on the 18th severe wind damage to orchards, crops and buildings was reported in Adams and Cumberland counties. Dense fog on the 30th caused an automobile accident near Renovo, resulting in one death.

G. W. S.

TEMPERATURE.

The average temperature for the State, as deduced from the reports of 71 stations, was 72.5°, which is 0.3° above the 55-

year average for July. The highest monthly mean was 79.6° at Marcus Hook, and the lowest was 63.4° at Kane. Extremes ranged from a maximum of 102° at Phoenixville on the 20th, to a minimum of 35° at Kane, on the 9th.

PRECIPITATION.

The average precipitation from rain and hail, for the State, as deduced from the observations at 192 stations, was 5.16 inches, which is 0.88 inch above the 55-year average for July. The greatest monthly amount was 14.39 inches at Coudersport and the least, 1.00 inch at Sutersville. The greatest 24-hour fall was 8.48 inches at Coudersport on the 17-18th.

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	69.2	97	38	3.45	.....	8	15	10	6
1889.....	71.6	96	39	6.80	.....	13	12	10	9
1890.....	70.7	101	33	3.52	.....	8	13	11	7
1891.....	67.8	97	34	6.32	.....	13	11	10	10
1892.....	73.1	103	38	3.93	.....	10	15	11	5
1893.....	72.1	102	36	3.15	.....	10	15	12	4
1894.....	73.8	103	31	2.32	.....	7	15	11	5
1895.....	69.1	102	34	3.24	.....	9	12	12	7
1896.....	72.8	98	40	6.89	.....	14	10	11	10
1897.....	73.4	103	41	6.26	.....	14	10	11	10
1898.....	74.8	107	33	3.36	.....	9	12	12	7
1899.....	72.3	101	35	3.91	.....	10	12	11	8
1900.....	74.0	104	35	4.86	.....	11	14	12	5
1901.....	76.4	107	45	3.88	.....	11	10	13	8
1902.....	71.8	99	41	6.04	.....	15	10	12	9
1903.....	71.2	98	35	5.36	.....	12	13	12	6
1904.....	70.6	99	34	4.68	.....	13	12	11	8
1905.....	72.6	99	39	4.87	.....	15	10	12	9
1906.....	71.3	95	38	4.31	.....	10	12	13	6
1907.....	71.5	96	34	3.84	.....	10	15	12	4
1908.....	73.9	104	39	4.81	.....	11	14	12	5
1909.....	69.7	98	34	2.14	.....	7	16	11	4
1910.....	72.8	99	41	2.42	.....	7	16	11	4
1911.....	73.7	105	36	2.81	.....	8	16	11	4
1912.....	71.3	100	36	5.29	.....	11	12	11	8
1913.....	71.8	101	40	4.16	.....	11	15	10	6
1914.....	71.3	101	38	4.19	.....	12	12	11	8
1915.....	70.7	98	40	5.28	.....	15	10	13	8
1916.....	74.3	98	37	4.45	.....	10	14	10	7
1917.....	72.1	105	40	4.33	.....	13	12	12	7
1918.....	70.1	99	35	3.05	.....	9	16	10	5
1919.....	72.6	104	34	5.90	.....	11	16	8	7
1920.....	69.5	96	33	4.37	.....	11	15	10	6
1921.....	75.9	104	45	4.13	.....	10	15	11	5
1922.....	71.9	98	38	3.68	.....	9	14	10	7
1923.....	71.0	100	32	4.24	.....	11	15	9	7
1924.....	69.7	97	34	3.42	.....	9	17	10	4
1925.....	70.5	101	32	5.57	.....	12	13	11	7
1926.....	71.8	105	35	3.82	.....	10	15	9	7
1927.....	71.7	100	29	4.97	.....	12	14	11	6
1928.....	72.8	96	40	5.44	.....	13	16	9	6
1929.....	71.8	99	33	2.81	.....	8	18	9	4
1930.....	73.0	106	33	2.23	.....	7	19	8	4
1931.....	75.2	105	39	5.28	.....	12	15	10	6
1932.....	72.0	100	36	3.39	.....	10	16	10	5
1933.....	72.5	104	35	4.26	.....	8	17	9	5
1934.....	75.5	107	40	4.01	.....	9	17	10	4
1935.....	75.0	104	42	5.63	.....	12	15	10	6
1936.....	73.5	111	37	2.88	.....	8	18	9	4
1937.....	72.4	101	37	4.47	.....	12	14	10	7
1938.....	73.2	100	40	4.81	.....	12	13	10	8
1939.....	71.7	100	36	3.12	.....	9	14	11	6
1940.....	72.3	105	33	3.25	.....	10	15	10	6
1941.....	73.1	104	29	5.11	.....	12	11	11	9
1942.....	72.5	102	35	5.16	.....	13	11	12	8
Period.....	72.2	111	29	4.28	.....	11	14	11	6

Climatological Data for July, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Observers	
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		Prevailing direction of wind
Atlantic Drainage																				
Allentown.....	Lehigh.....	254	30	74.2	+0.2	96	19†	52	10	4.74	+0.13	1.34	27	0	11	15	7	9	sw.	Allent'n-Bethlehem Gas Co.
Altoona (near).....	Blair.....	1,615	55	71.0	0.9	93	17	46	7	4.34	+0.34	1.21	1	0	13	17	9	5	w.	City of Altoona.
Bedford.....	Bedford.....	1,120	10	73.8	+0.1	98	17	48	7†	4.60	+0.58	1.50	28	0	11	14	8	9	nw.	Charles C. Lee.
Bethlehem.....	Northampton.....	364	56	74.4	-0.7	96	19	54	10	6.71	+2.15	1.46	31	0	12	23	5	3	sw.	Lehigh University.
Bloomsburg (near).....	Columbia.....	610	16	71.0	.....	94	19	45	16	5.33	.....	1.82	18	0	12	13	11	7	nw.	Benjamin F. Conner.
Burnt Cabius (near).....	Huntingdon.....	990	1	73.2	.....	96	14†	47	16	4.88	.....	1.21	10	0	12	15	7	9	sw.	Penna. Turnpike Comm.
Carlisle.....	Cumberland.....	473	73	74.4	-0.7	95	19	53	7	6.08	+2.25	2.66	18	0	13	19	7	5	sw.	Clarence E. Miller.
Chambersburg.....	Franklin.....	600	45	76.1	+1.3	100	19	53	7	5.74	+1.74	1.40	19	0	11	6	17	8	sw.	William B Spear.
Coatesville.....	Chester.....	431	55	76.8	+2.1	98	19	56	8	4.26	-0.30	1.10	11	0	10	12	4	15	nw.	Howard L. Pyle.
Eagles Mere.....	Sullivan.....	2,020	1	.....	.....	.....	.....	.....	.....	5.01	.....	1.49	18	0	14	10	15	6	e.	Carl E. Bigger.
Emporium.....	Cameron.....	1,033	57	69.7†	-0.1	91†	13	43†	9	10.83//	+6.42	7.55†	17-18	0	13	18	7	6	w.	E. M. Poorman.
Ephrata.....	Lancaster.....	365	45	75.8	+0.8	98	19	54	10†	9.71	+5.33	4.59	26	0	11	10	8	13	s.	Ira J. Keath.
Freeland.....	Luzerne.....	1,970	49	70.7†	+1.4	92	13	48	8†	6.53	+1.62	2.30	18	0	14	8	5	18	w.	Andrew B. Evansha.
Gettysburg.....	Adams.....	553	69	74.5	-0.1	94	19	57	7†	8.20	+3.84	3.90	23	0	17	15	6	10	w.	Dr. Henry Stewart.
Gordon.....	Schuylkill.....	900	38	71.0	+0.5	92	13†	45	7†	5.67	+0.81	1.70	18	0	14	10	7	14	s.	Miss Sallie M. Johnson.
Hanover.....	York.....	600	38	74.9	-0.9	94	19	58	16	7.93	+3.74	2.17	3	0	15	12	7	12	s.	Evening Sun.
Harrisburg Airport.....	York.....	351	73	76.0	+1.2	95	19	57	7	5.53	+1.70	1.35	18	0	12	6	13	12	sw.	U. S. Weather Bureau.
Hawley.....	Wayne.....	900	24	71.0	+0.7	95	19	43	10	4.35	+1.57	1.62	18	0	13	17	10	4	w.	Mrs. Della M. Pennell.
Holtwood.....	Lancaster.....	200	27	77.0	0.0	95	19	64	7†	3.64	-0.13	0.81	11	0	12	10	12	9	nw.	Penna. Water & Power Co.
Huntingdon.....	Huntingdon.....	700	55	73.5	+1.1	96	19	45	7†	2.55	-1.51	0.55	27	0	13	9	10	12	w.	Prof. Paul R. Yoder.
Kylertown.....	Clearfield.....	1,700	13	68.6	-1.2	90	13	45	7	4.14	+0.43	1.71	18	0	11	3	10	18	sw.	U. S. Weather Bureau.
Lancaster.....	Lancaster.....	255	55	74.8	+0.7	95	19	54	7†	6.13	+1.85	1.50	27	0	16	17	6	8	nw.	Lancaster Water Bureau.
Lawrenceville.....	Tioga.....	696	45	.....	.....	95	19	50†	4	7.73	+3.63	3.39	18	0	12	11	18	2	n.	Carlos P. Darling.
Lebanon.....	Lebanon.....	469	58	75.2	+1.1	96	19	55	16	6.21	+1.87	1.64	27	0	11	24	3	4	sw.	Lebanon Valley Gas Co.
Lewistown.....	Mifflin.....	467	4	75.4	.....	95	13	52	7	5.02	.....	1.17*	18	0	12	10	12	9	.....	Penna. Edison Co.
Lock Haven.....	Clinton.....	557	52	71.6	-2.0	95	13†	48	9	5.42	+1.42	1.82	18	0	13	11	9	11	e.	William R. Kelley.
Marcus Hook.....	Delaware.....	12	16	79.6	+0.6	101	19	62	10	7.15	+2.98	2.25	27	0	10	23	3	5	sw.	Sun Oil Co.
Montrose.....	Susquehanna.....	1,176	37	68.0	-0.2	91	19	42	16	4.48	+0.88	1.49	18	0	13	13	12	6	sw.	Harry S. Fancher.
Mt. Pocono.....	Monroe.....	1,720	36	67.2	+1.5	87	13†	42	7	4.77	+0.30	1.20	6	0	11	13	4	14	nw.	Cecil J. Hoskinsou.
Neshaminy Falls.....	Bucks.....	80	53	73.2	-0.6	96	19	49	11	.....	.....	1.72*	11	0	.....	.....	.....	.....	.....	Philadelpha Suburban Water Co.
Palmerton.....	Carbon.....	455	24	73.4	-0.1	98	19	47	10	9.44	+4.96	2.38	26	0	13	8	12	11	s.	New Jer. ey Zinc Co.
Philadelphia City Office	Philadelphia.....	26	71	78.0	+1.8	98	19	65	8	6.74	+2.59	2.95	26-27	0	12	6	17	8	sw.	U. S. Weather Bureau.
Phoenixville.....	Chester.....	100	32	77.6*	+2.0	102*	20	51*	10	3.77	-1.19	1.10	2	0	10	18	10	3	w.	Philadelpha Suburban Water Co.
Port Clinton.....	Schuylkill.....	407	4	73.1	-2.0	94	19†	47	10	6.34	+1.44	1.14	31	0	11	26	2	3	.....	Earl E. Rarick.
Quakertown.....	Bucks.....	450	57	73.0	+0.4	94	19	52	7	6.83	+2.15	1.34	26†	0	13	10	15	6	w.	John E. Benner.
Reading.....	Berks.....	273	72	76.4	+1.0	96	19	57	10	5.60	+1.34	1.67	31	0	11	9	11	11	nw.	U. S. Weather Bureau.
Seranton.....	Lackawanna.....	746	48	72.7	+1.0	94	19	50	10	5.08	+1.05	1.25	24	0	17	7	17	7	sw.	U. S. Weather Bureau.
Selinsgrove.....	Snyder.....	476	52	73.2	-0.2	94	18	48	7†	6.27	+2.23	3.10	18	0	11	7	15	9	sw.	Dr. George E. Fisher.
State College.....	Centre.....	1,217	58	72.1	+2.5	92	13	48	7	3.70	-0.16	0.86	18	0	14	5	16	10	w.	Penna. State College.
Stroudsburg.....	Monroe.....	440	28	72.9*	+1.0	96†	19	46	10	5.01	-0.30	1.47	18	0	12	9	9	13	w.	Metropolitan Edison Co.
Towanda.....	Bradford.....	754	48	71.2	+0.7	94	19	44	10	4.82	+1.02	1.16	18	0	16	8	18	5	ne.	Mrs. M. Ordella Parks.
Wellsville.....	Tioga.....	1,819	72	67.8	-1.1	92	13†	41	9	6.08	+2.88	3.03	18	0	14	7	18	6	w.	M. S. Bliss.
West Chester.....	Chester.....	410	93	74.1*	-0.3	95*	19	54*	8†	6.18	+1.54	1.71	2	0	11	11	12	8	w.	Clyde T. Saylor.
Wilkes-Barre.....	Luzerne.....	544	4	72.2	.....	96	19	49	7†	5.48	+1.41	1.37	6	0	16	4	11	16	sw.	U. S. Communication Sta.
Williamsport.....	Lycoming.....	550	56	73.7	+0.4	96	19	48	9	5.09	+1.25	1.83	18	0	14	15	13	3	sw.	John D. McEwen.
Williamstown.....	Dauphin.....	1,275	27	72.3	-0.4	92	19	53	7	7.13	+1.71	2.44	18	0	13	12	10	9	sw.	Susquehanna Collieries.
York.....	York.....	400	54	75.4	+0.9	96	19†	53	16	4.32	+0.10	1.41	18	0	16	12	13	6	sw.	York Water Co.
Division mean.....				73.5	+1.3	102	20	41	9	5.76	+1.48	7.53//	17-18	0	12	12	10	9	sw.	
Ohio Drainage																				
Bradford.....	McKean.....	1,680	1	66.9	.....	88	19	38	3†	10.51	+6.07	4.70	18	0	14	3	16	12	w.	City Water Dept.
Brookville.....	Jeffersou.....	1,400	52	67.6	-0.4	93	18	40	9	5.28	+1.12	1.81	6	0	13	3	15	13	w.	Civil Aeronautics Auth'y.
Butler.....	Butler.....	1,077	29	73.2	+0.8	98	19†	45	16	4.21	-0.20	1.22	27	0	13	.....	.....	.....	.....	Butler Eagle.
Claysville.....	Washington.....	1,170	37	70.4	-2.8	94	18	48	7†	3.37	-0.88	1.81	7	0	12	11	14	6	nw.	Walter B. Paget.
Corry.....	Erie.....	1,430	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	12	11	14	6	.....	Penna. Electric Co.
Coudersport.....	Potter.....	1,653	15	70.2	+2.2	92	15†	37	8†	14.39	+9.77	8.48	17-18	0	14	13	12	6	sw.	Phillip R. Shaw.
Derry.....	Westmoreland.....	1,150	45	73.7	+1.0	95	17†	47	16	3.53	-0.94	0.85	30	0	11	14	12	5	w.	Miss N. Dixie Wieman.
Ebensburg.....	Cambria.....	2,170	25	67.6	-0.8	91	18	43	7	2.46	-1.70	0.83	1	0	9	14	8	9	w.	Norman R. Gillin.
Edinboro.....	Erie.....	1,220	10	.....	.....	90	13†	.....	.....	6.11	+2.11	1.33	10	0	15	24	1	6	nw.	Wallace J. Snyder.
Franklin.....	Venango.....	987	68	69.0	-1.7	94	18	44	3	5.78	+1.51	1.60	17	0	13	16	10	5	s.	William K. Fuller.
Greensburg.....	Westmoreland.....	1,166	33	73.3	+0.7	96	17	50	7†	3.75	-0.02	1.66	29	0	13	6	21	4	sw.	Westmoreland Water Co.
Grove City.....	Mercer.....	1,350	35	71.7	+1.1	93	18	48	3†	3.29	-1.27	0.70	6	0	12	6	17	3	s.	Prof. H. W. Harmon.
Indiana.....	Indiana.....	1,300	41	71.0	-0.6	94	18	45	7	1.50	-3.19	0.38	29	0	10	8	15	8	e.	Indiana State Teachers Col.
Johnstown.....	Cambria.....	1,650	60	71.0	-2.2	93	17	47	7†	3.66	-1.23	0.67	18	0	12	17	9	5	sw	

Daily Precipitation for July, 1942

Stations	Counties	Day of month																															Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
ATLANTIC DRAINAGE																																			
Delaware Basin																																			
UPPER DELAWARE																																			
Dingmans Ferry ² ..	Pike		.71	.06	.56	T		1.50				.33	.08			.19		1.38									.06	2.06	.02	.42		7.37			
Hawley ² ..	Wayne	T	.42		.01		.61					.39	.03					1.62			.12		.01		.29		.18	.13	.36	.12		4.35			
Hollisterville ² ..	Wayne		.02	.01	.01		.02					.26	.03			.56		.11	2.60	.09			.01			T		.03	.09			4.96			
Matamoras ² ..	Pike		.36	.06	.09		1.59					.31	.08					2.06					.01			.09		1.02	.26			5.92			
Mount Pocono.	Monroe		.10		.28		1.20					.55				.02		.15	.93								.43	.04	.40		.67	4.77			
Paupack ² ..	Pike		.26		.04		.50					.35	.01			.13		2.73	.02				.01		.15		.22	.25	.68	.20		5.55			
Pleasant Mount.	Wayne	.09			.36	.02	1.18				.20	.46				T		1.37	.63	.03				.02	.50		.06	.23	.34		.18	5.67			
Stroudsburg ² ..	Monroe		.75	.02	.36		.60					.49	.18					1.47	.03				T				.29	.47	.23	.12		5.01			
Tanners Falls.	Wayne				.16		.95				.14	.73						1.30	.57								.49	.19	.07		.63	5.23			
LEHIGH																																			
Allentown ² ..	Lehigh		.47	T	.21			.20				1.02	T					.01	1.03	.05					T		1.34	.04	.15	.22		4.74			
Bethlehem ¹ ..	Northampton	T	.25		.32		.31				.27	1.00						.14	1.08					T			1.01	.09	.22	.56		1.46	6.71		
Blakeslee Corner.	Monroe		.40		.26		1.69				.40	.26						.40	1.02							.30	.47	.65				5.85			
Gouldsboro ² ..	Wayne	.02	.15		.10	.03		.88				.47	.03		T			.02	.99					.61				.55	.19	.08	.13		4.25		
Lansford ² ..	Carbon		.12		1.03		.72					1.02						.18	1.16	.04				.49				.48		.11	.23	.06	6.64		
Mauch Chunk.	Carbon	T	.23		.45		.55	.10				.92						.38	1.13				T	.0			1.52	.61	.08	.04	1.77		8.18		
Merwinsburg ² ..	Monroe		.36		.34		.67					.73						* 2.00					.02					.54		.04	.72		5.42		
New Tripoli.	Lehigh	.02	.28		.47		.25					.98						.11	1.13								.21	.01	.17			2.07	5.80		
Palmerton ¹ ..	Carbon	.01	.67		.19		.36				.60	.03						.53	.69					T			2.38	.88	.01	.59		T	1.50	9.14	
Zionsville.	Lehigh	.04	.86		.17		.20					1.13						.07	1.12								.06	1.51	.21	.23	.05	1.03	6.73		
SCHUYLKILL																																			
Conshohocken.	Montgomery	T	1.31		.51		T					.77				.12		.51	.02								.54	.79	.06	.23	.02	.63	5.51		
Fredricksville ² ..	Berks		.87		.25		.32					1.66						.12	1.11	.02		T					.64	T		.27	.38	.09	5.46		
Freeland ² ..	Luzerne		.09		.28	.83	.30	.05				.33	.17					.23	.30				.80	.55	.01			T		.43	.26	.58	6.53		
Gratersford.	Montgomery	.88	1.12									.84						.13	.32								.19	.78		.43	.26	.58	6.40		
Phoenixville ² ..	Chester		1.10	.09	.48		T					.83						.01	.65							T		.41	.05	.07	.06		3.77		
Port Clinton.	Schuylkill	.05	.39		.99							.98						.17	.88					.11				.62	.18	.83		1.14	6.34		
Pottstown ² ..	Montgomery																	.20	1.15	.15		T		1.35				.45	T	.20	.10		5.52		
Pottsville ² ..	Schuylkill		.10		.30		.40					1.12						.05	.97									.53	T		.52		1.67	5.60	
Reading ¹ ..	Berks	.08	.16		.84		.02				.72	.04			1.34			.93	.37								.21				.26		4.19		
Wernersville ² ..	Berks	.84	.15				.12											.93	.37																
LOWER DELAWARE																																			
Coatesville.	Chester	.14	.67		.51							1.10						.02	.30		.05							.37		.22		.95	4.26		
Doylstown.	Bucks	.33	.81		.50		.32					.21						.02	.79							T		.13	.93	.46	.03	T	.33	4.86	
Marcus Hook ² ..	Delaware			.81	.15							2.53						T		.21	.53					T		T	2.25	.65		.02		7.15	
Neshaminy Falls.	Bucks	.19	.50		.07							1.72						.01	.70		.12	.53				.02		.02	1.04		.34		.49	5	
Philadelphia																																			
Airport Station ⁵ ..	Philadelphia	.17	.82	T	.03						.35	.93						T	.39		.05			.03	T	.03	.69	.04	.10		1.56	5.19			
City Office ¹ ..	Philadelphia	.01	.60		T						.09	.88						T	.26		.10			.01		.04	2.95	.03	.18		1.59	6.74			
Franklin Inst. ² ..	Philadelphia		.43	.23								1.30						T	.30		.13					T		.18	3.28	.12	.28		6.25		
Shawmont.	Philadelphia	T	.61		.02						1.24							.01	.64	T	T		.13			.03	.01	.24	.25	.84	.34	.01	1.22	5.46	
Quakertown.	Bucks	.09	.39		.58		.15					.64						.08	.93									1.34	.35	.41	.29	.24	1.34	6.43	
West Chester.	Chester	.34	1.71		.17							.82						T	.31							.02	T	.02	.28	.11	.88		1.52	6.18	
West Grove ² ..	Chester		.37	.03	.29							1.40							.25								T	.04		.18	.88	1.92	.02		5.66
Susquehanna Basin																																			
CHEMUNG																																			
Covington ² ..	Tioga	.42				.15	.75					.08						.80	1.45					.15	.05	.70		.18	.15	.20	.10	.15	5.35		
Lawrenceville.	Tioga	T	.30			.92	.06				T	.84						.12	3.39					.07				.18	.15	.20	.10	.15	5.35		
NORTH BRANCH																																			
Bloomsburg(nr.) ² ..	Columbia	.04	.03	.15		.20		.68				.58						.22	1.82					.36				T	1.11	.11	.03	5.33			
Canton ² ..	Bradford	.37						.77				.23						.03	1.73	.71				.07		.09		.07		.27	.63	.02	4.39		
Danville ² ..	Montour		.04	.12		.11	1.03					.59						.37	1.93	.70				.17				.03	.56	.86	T	6.51			
Kellogg Mt Tower ² ..	Bradford	.40	*	*	*		.77					.20				.01			1.71	.25				.16	.01	.21		.03	.16	.10	.05		4.15		
Millville ² ..	Columbia			*	*	.36	1.80					.58	.11					.66	1.14				.47	.03	.95		.24	.12	.03	.53		6.12			
Montrose ² ..	Susquehanna	.29	.22				.57					.47	.04		T			.14	.99		.21			.02	.02			.52	.12	.29	.22		4.48		
Pikes Creek ¹ ..	Luzerne	.29			.14		1.55					.17	.06		.13	.63		.37	1.13						.08		.67	.06	.37		.42	5.18			
Scranton ¹ ..	Lackawanna	.41	.04		.10		.93					.11	.17			.25		.43	.70	.01			.01	1.25		.09	.01	.22	.04	.31		5.68			
Susquehanna ² ..	Susquehanna	.07	.18		T		.46					.33				.01		.12	.35								.44	.58	.30	.02		4.60			
Towanda.	Bradford	.96	.03		.02	.01	.75	T			T	.22		.16	.35			.16	1.16				T	.10			T	.02	.02	.31	.25	.30	4.82		
Tunkhannock ¹ ..	Wyoming	*	*	.02	.06		1.24				T	.10	.15					.78	.50								.03	.03		.03		.12	3.06		
Wilkes-Barre ⁵ ..	Luzerne	.05	.01	T	.07		1.37				.19	.08						1.07	.61					T	T	.02	.24	.09	.10	.74	.02		.79	5.48	
WEST BRANCH																																			
Ansonia ² ..	Tioga	.22			T	T	.15	.61				.39						.20	2.44	.42							.18	.56	.07	.09	.04	.12	5.49		
Bald Eagle ¹ ..	Blair	.20			.05						.78	.03						.09	.05										.33		.41	1.98			
Bellefonte ² ..	Centre	.93	.11		*	*	.78	.04				.51						.25	1.35	.77	T					.82	T	T		.50	.38	4.47			
Berwinstale ² ..	Clearfield	.70	.06			.06	.02	.01				.17	.07					.12	.02	.44	.04	T			.27			.05		T	.18	.35	2.58		
Carter Camp ¹ ..	Potter				.03		.82				.35	.19						.39	4.85									.13	.47	.12	.10		.66	8.11	
Cedar Run ² ..	Lycoming	.59					.07	.82				.33						.38	3.20	.12	.06			.04	.27			.38		.04	.22		6.52		
Clearfield ² ..	Clearfield	.32	T			.21	.																												

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Stations	Counties	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Susquehanna Basin (continued)																																		
JUNIATA																																		
Altoona (near).....	Blair.....	1.21				.08	.24	*			.24	.28						.07	.89		.41		.07									.12	4.34	
Bedford ²	Bedford.....	.10	.07				*				.41	.45							.45	.40		.57		.10	1.16			.16	1.50	T.	.09		4.60	
Breezewood Intch ³	Bedford.....	.05	.21								.41	.26							.45	.47		.01	T.	.20		.01	.02	.31	.16	.56		.10	2.60	
Buffalo Mills ²	Bedford.....	.09	.07	.03			.02				.03	.08							.32	.23	.09	.10		.03				.02	.82	.42	.32		.27	4.88
Burnt Cabins (nr.) ³	Huntingdon.....	.05	.70				.03				1.21	.26							.83		.13						.02	.82	.42	.32		.27	4.88	
Charter Oak (nr.) ¹	Huntingdon.....	.42			.06		.03				.35	.08							.79	.23							.05	.04		1.17		.12	3.34	
East Waterford ²	Perry.....	.01	.08	.98				.01			.64							T.	.30	.43		1.55					.05	.29	.33		.69		5.51	
Huntingdon.....	Huntingdon.....	.33	T.				.08				1.15	.10						.03	.10	.03	.29		.02				.16	.55	.48		.23		5.35	
Lewistown ²	Mifflin.....	.73	.02				.32				.62			.12	.02			T.	1.17	1.16			.01					.08	.07	.70	T.	.50	5.02	
Loop Mt. Tower ²	Huntingdon.....	.61	.21								.41							T.	.48	.39	.10	.08			.10		.65	1.25	.04	.76	.02	.41	4.41	
Mapleton Depot ²	Huntingdon.....	.28	.02				.07				.15							T.	.38	.08		.36		.02	.05			.01	.87	.02	.60		2.87	
Martinsburg ¹	Blair.....	.07									.19							T.	.25	.01	.32		.01					.03	.13	.23	.02	.15		4.41
Newport ²	Perry.....	.15	.29	T.			.01				1.41							.03	.33	1.33		.04		1.01			.22	.02	1.18	.18			6.20	
Saxton ²	Newport ²	T.	.05	.36		.01		.01			.30							.01	.12			.22		T.	T.	T.	T.	.06	.19	T.	.37		6.20	
Shade Gap ¹	Huntingdon.....	.04									1.22							.80	1.03		.15						T.	*	*	*	*		5.50	
LWR SUSQUEHANNA																																		
Arendtsville ²	Adams.....			.06	.02			.12			1.19							.30	.53		.58		1.95	.12		.03	.17	2.13	.01	.22		7.43		
Blosserville.....	Cumberland.....	.06	.30		.28	.06	T.				.10	.72						.2	.91		.03		.51	T.		.08	1.33	T.	1.20	.32	.16	8.06		
Blue Mt. Intchg. ³	Franklin.....	.05	.08				T.				1.01	.02						.14	1.04		.08		.05	.12		.05	1.16	.31	.98		.27	5.40		
Carlisle.....	Cumberland.....	.01	.28		T.						.65	.28						.02	.66	T.	.08		T.	.44			.33	.44	.70		.12	6.08		
Ephrata.....	Lancaster.....	.21	.31		.62						.02	.40						.02	.99	T.							4.50	.73	.51		.40	9.71		
Glen Rock ¹	York.....	.41	.39		.13						.63	.02						.03	1.07		.14						.63	.47	.05	.42		5.34		
Gordon.....	Schuylkill.....		.07		.02		.60				.61							.27	1.70		.02		.6	.05		.06	.21	.44	.16		.70	5.67		
Hanover.....	York.....		.14	.27	1.31			.02			1.34	T.	.84	T.				T.	.22	.90		.66		.15	.03	T.	.75	.27	.08	.14	.25	.10	7.93	
Harrisburg Arpt ¹	York.....	.20	.53	T.	T.		T.				.1	.11						T.	.35		.23		.89	.09	T.	T.	.30	.12	.18	.20		5.53		
Holtwood ²	Lancaster.....		.37	.01	.70						.84								.10	.40		.10		.89	.09	T.	T.	.02	.71	.29	.09	.10	3.64	
Huutsdale ²	Cumberland.....		*	.09							.93							.75	1.32		.22		.43	.02		.13	1.50	.04	.20	.02	.79	6.18		
Lancaster.....	Lancaster.....	.90	.24		.21		.01				1.11							.03	.77	.37	.11	.06	T.		.128		.67	.03	.08	.69		4.03		
Lebanon ²	Lebanon.....		.32	.01	.21		.02				1.22							.05	.66	.37		T.		1.28			.34	.26	T.	1.10		.56	6.17	
Manada Gap.....	Dauphin.....	.05	.15		.34		.02				*	1.38						.14	1.09				.74				.67	.03	.08	.69		4.03		
Middletown ⁵	Dauphin.....	1.67	.03	.04	T.	T.	*				1.31	T.						.02	1.37		.56		1.68	.05			.67	.03	.08	.69		4.03		
Millersburg ¹	Dauphin.....	.35	.08				*	.39			1.0	1.56						.09	.99	.10			.49	.06			.02	.02	.56	.11	.16	4.88		
New Park.....	York.....	.43	.03	.01	.51						1.0	1.56						.87		.28			.49	.02	.01	.02	.40	3.15	.28	.12	.64	3.81		
Penn Nursery ²	Centre.....	.24	.16			T.	.05				.35							.11	.24	.91	.05			.02			.40	3.15	.28	.12	.64	3.81		
Peters Mt. Tower ²	Dauphin.....	.37	.04	T.	.52						.65		.01		T.			.06	.35	1.16		.10		1.04			1.02	.33	.09	.36		7.30		
Pine Grove ²	Schuylkill.....	.03	.06	.05	1.12			.14			1.28							.14	.50	.23			1.00				.90	T.	.15	.70		6.10		
Ringtown ²	Schuylkill.....	.17	.02		.12			.44			.38							.11	.24	.26			1.74				.07	T.	.54		.70	6.27		
Selinsgrove.....	Snyder.....	.21	.03				.27				.75							.18	3.10				.55			.02	.20	.26	.26		.70	6.27		
Shippensburg.....	Cumberland.....	.02	.05			.10					.10	.60						.96	T.	.09	.05		.25		T.	T.	.69	.05	.60	.20	.07	3.83		
Sunbury ²	Northumberland.....	.18	.02			T.		.48	T.		.70							.41	1.59	.34			.43				.02	.02	.06	T.	.58	4.51		
Williamstown.....	Dauphin.....	.06	.05		.65		.07	.88			.73							12	2.44		T.		.31				.66		.40	.22	.54	7.13		
Woodward ⁵	Centre.....	.24			.04	.01					.33	.09						.51	1.43	T.		.06	.26	.18	.09		.02	.25	.30		.43	4.09		
York.....	York.....		.32	.08	1.07						.02	.45						.1	1.41		.46	.06	.03	.02		.08	.08	.02	.05	.09	.08	4.32		
York Haven ²	York.....		.11	.03	.28						.76							.1	1.26	.15		.42		.33	T.			.44			1.00	4.78		
Potomac Basin																																		
Chambersburg ²	Franklin.....	T.	.02	.69							1.23							T.	1.40		.14		.42			T.	.19	.23	.82	.54	.06	5.74		
Gettysburg.....	Adams.....	T.	.08		.02			T.			.02	.47						T.	1.21	.01	.21	.06		3.90	.01	.02	.48	1.32	.15	.18	.05	.01	8.20	
Hewitt (near) ¹	Bedford.....	.02	.02								.61							T.	.28		.03					.13	.20		.73		.01	1.33		
Hyndman ²	Bedford.....	.41	T.				T.				.40							T.	.28	1.06	.06	T.		.05	.04	T.	T.	1.09		T.		3.11		
McConnellsburg ²	Fulton.....		T.	.19							.74							T.	.88		.54		.38				.07	1.24	.25	.57	T.	4.26		
Mercersburg.....	Franklin.....	.07									.25							T.	.26	.06	1.90		.17			.39	.09	.05	1.09			4.33		
South Mt. San'tm ²	Franklin.....		.03	.28	.12						.83	T.						T.	.09	.35	T.	.50		2.76	.03		.12	.19	.18	.34	1.35		7.17	
GULF DRAINAGE																																		
Ohio Basin																																		
ALLEGHENY																																		
Acmetonla ¹	Allegheny.....	.13			.07	.02		.12			.12						.04	.70		.16	.02		.19	.04				.12			.63	.02	1.27	
Allens Mills ¹	Jefferson.....			.03	.10		1.48				.48	.02						T.	.70		.123	.03	.04		.78			.24	.08	.11	.28	.18	3.66	
Blairsville ²	Indiana.....	.01	T.	T.		.44		.02		T.		.12						T.	.70		1.23	.03	.04		.78			.24	.08	.11	.28	.18	3.66	
Bradford.....	McKean.....	.49			.16		.85				T.	1.45						T.	.70		1.23	.03	.04		.78			.24	.08	.11	.28	.18	3.66	
Brookville ⁵	Jefferson.....			.03	T.	.01	1.81				.48	.23						.61		.38	.14		.08				.61	T.	.18	.59		5.28		
Bucktown ¹	Somerset.....	.11					.31				.19							.61		1.53		1.74		.30			.21	.34			.473			
Cherry Grove ¹	Warren.....	.03		.13	.31	.92	.40				.81							.72	.08	.24			.08				.07	.12	.25		.65	4.81		
Clarion ²	Clarion.....	.82			.36	.12	.14	1.57			.57							.41	.32	.54				.41				.82	.02		.17	.49	6.75	
Corry ²	Erie.....					1.03					.07	.59		.10				.26	8.22							.64	.26	1.40	.80	.10	.26	.58	14.39	
Condersport.....	Potter.....			.08							.05	.59		.10				.26	8.22							.64	.26	1.40	.80	.10	.26	.58	14.39	
Crooked Crk. Dam ¹	Armstrong.....			.02			.15		</																									

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Stations	Counties	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALLEGHENY (continued)																																		
Seward ²	Indiana		.06	.02		.35		.06				.31								.21	.19	.17		.45				.13	.09	.03	.36	.09	2.52	
Smithport ²	McKean	.28	T.	T.	.13	.04	1.04	.48				1.46						T.	4.35	2.41	.38		.94				.30	.40	.05	T.	.41	.41	13.04	
Strongtown ¹	Indiana	.01			.21	.02	.02					.31								.25	.61		.10				.02	.02	.01	.67		.15	2.43	
Thone to Dam ¹	Forest			.19	.10	.28	.97					.70						.02	1.17		.31	.01	.15				.15	.58		.59		.62	6.12	
Titusville ²	Crawford			.05	.19	.60	.29					.80	.02					.30	.96		.51	.06	.18				.70			.10		.70	14.76	
Union City ¹	Erie	.10			.14	1.07	.22					.90			.04			.01	.85		.03		.35						.05	.31		.77	4.84	
Yandergrift ³	Westmoreland	.10										.06						.01	.13	.21	.08			.05		.05	.03		.15	.22	.02		5	
Warren ²	Warren	.70	.01		.24	.02	.44	.18				.48	T.					.16	3.12	.05	.32		.10			T.	.43	.02	.08	.10	.43	6.83		
Youngsville ¹	Warren	.01			.21	1.10	.21					.36						.59	.76	.40			.29				.13			.16		.50	4.72	
MONONGAHELA																																		
Confluence ²	Somerset	.08	.13	T.		.15	T.	.20				.65									.25	.52		T.				.19	.78		.52		3.45	
Cornellsville ²	Fayette	.05	.18	.01		.21	.26	1.06				.15				.01					.37	.03						.01	.16	T.	.02		2.87	
Donora ¹	Washington	.08			.50		.28					.08					.01				.36		.02				.02	T.		.23		.48	2.06	
Greensboro ²	Greene	.0	.17	.02		.11	T.	.26				.32								.02	.77		.02				.04	.34		T.			2.40	
Greensburg	Westmoreland	.07			T.	.16	.22					.03	.06				T.	.04			.13		.03		1.14		.01	.05		1.66	.15		3.75	
Irwila	Westmoreland	T.	.01			.28	.16					.04			T.		.03	T.		.38			T.	.01	.01		.03	.09		.33	.19	T.	1.60	
Meyersdale ²	Somerset	.45	.16			.15		.33				.22				.28				.37	T.	.45		.54				.10			.72		3.77	
Murrysville ²	Westmoreland	.05			.21		.11					.10								.10				.36					.50	.82		.39	2.64	
Newell ¹	Fayette	.04				.36	.60	.30				.10						.05			.60							.05			.65		2.15	
Pittsburgh Arpt. ¹	Allegheny	.45		T.	.09	T.	.17					.19			.58			T.		.05	.01		.29				.02	T.	.02	.20		2.08	4.15	
Somerset	Somerset	.31				.06	1.00	.04				.75	.04		.02			.04		.66	1.67		.76			T.	.55		T.	.19		5.49		
Springs	Somerset	.51	.02			.05	.34					.28									.10		1.16	T.			.02	.46		T.	.04	.02	3.60	
Uniontown	Fayette	.31	.01			.13	.15					.22									.22					T.	.36		.02				1.42	
Waynesburg	Greene		.27	.26		.06	.21					.11									.61						.26	.24		.01			2.03	
BEAVER																																		
Beaver Falls ²	Beaver	.17			.06	.20	T.	T.				.13			.39				.06		T.	.25			.46			T.	.17	T.	.04	.28	2.21	
Butler	Butler	.01			.60		.62	.01				.02	.19					T.	T.	*	.70		.03	.01				*	1.22		.34		.46	4.21
Greenville	Mercer		.02		.48		.59					.78			.02			.01	.89		.03		.22	.28									3.76	
Grove City	Mercer		.09		.52		.70					.22				.06		.02	.09		.50		.54	.02				.01					.52	3.29
Mercer ²	Mercer	T.		.19	.31	.08	.43					.41	T.				.03	.28		.53	.01		.34				T.		T.	.30	.23	.46	3.63	
New Castle	Lawrence	.32	.16		.37	.01	.75					.15	.01			.50		.06		.67		.72	.09					.09	.04		.44		4.42	
Penn Line ²	Crawford	.79			.38		.30	.25				.99						3.83	.14		.98		1.35					.07		.13	.03	.81	10.05	
Pymatuning Dam ²	Crawford	.35	T.		.22		.35					1.15						1.55			.35		.03	.79	.01					.60	.07	.80	6.51	
Sharon ²	Mercer	.33	.13		.36		.03	.67				.18						.07			.25		.06	1.18						.69	.14	.76	4.25	
OHIO																																		
Claysville ²	Washington	.20			.03	.18	.11	1.81				.13			T.						.16	.03		.33				.06	.04		.29		3.37	
Coranopolis ²	Allegheny	.05			.05	.16	.02	.13				.32						T.			.01	.08	T.	.35				T.	.23	T.	.60	.02	2.02	
Midland ²	Beaver	.14			.14	.02		.05				.46						T.			.04		.44						.19	.01	.09	T.	1.58	
Mt. Lebanon	Allegheny	.29			.23		.25					.30			.45			T.		.06	T.		.18	.03		.07	T.	.36	.29		1.25	3.67		
Washington ¹	Washington	.07	.02		.44		.36					.16									.08	.25		.31						.30			1.99	
LAKE DRAINAGE																																		
Erie ¹	Erie	.14		.06	.07	.39	.29					.64						.01	.93	.04	.29			.36				.01		.65	.01	.23	4.12	
Raymond ¹	Potter				.15	.06	.84					.59	.11						3.00	3.17	.84						.20	1.52	.50	.09		.40	10.67	

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ⁵ Precipitation for period, 1:30 a. m. of date on which amount is recorded to 1:30 a. m. following date. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. § Incomplete or missing. ‡ Daily amounts inconsistent. T. (trace), when precipitation is less than .01 inch. || Record partially estimated.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind**				Relative Humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Erie.....	30.00	30.22	26	29.76	5	7.4	22	w.	18	81	...	73	54
Harrisburg.....	29.99	30.28	26	29.67	6	6.0	27	n.	29	80	55	69	68
Kylertown.....	30.02	30.28	26	29.68	6	10.0	33	nw.	18	89	60	72	
Philadelphia.....	29.98	30.27	26	29.64	6	10.5	33	sw.	6	77	52	67	62
Pittsburgh.....	30.02	30.22	26	29.77	6	9.2	30	n.	31	84	54	64	57
Reading.....	29.99	30.27	26	29.64	6	8.8	40	sw.	18	76	50	54	63
Seranton.....	30.01	30.28	26	29.65	6	5.5	27	nw.	19	83	61	56	45

* For any five-minute period.

† Local noon

‡ 3:00 p. m.

** Corrected to true velocities.

§ 4:00 p. m.

RIVER CONDITIONS

Stations	Rivers	Mean Stage	Highest stage	Date	Lowest stage	Date	Flood Stage
Port Jervis, N. Y.	Delaware	2.4	3.1	29	1.8	27	18
Easton	Delaware	2.1	2.9	19	1.4	25	22
Lehigh	Lehigh	3.4	4.2	7	3.0	26	9
Reading	Schuylkill	4.2	4.8	19	3.8	17	11
Wilkes-Barre	N. Br. Susquehanna	2.9	6.0	20	2.2	13	20
Williamsport	W. Br. Susquehanna	2.4	18.8	19	0.4	17	20
Newport	Juniata	3.8	5.0	19	3.5	10	22
Harrisburg	Susquehanna	3.8	7.2	20	3.3	15	17
Schenley, (nr) Lock No. 5.	Allegheny	13.2	19.0	21	11.8	6	24
Sutersville	Youghiogheny	3.0	4.0	11	2.6	20	20
Charlevoix (nr.), Lock No. 4	Monongahela	11.7	13.1	9	10.9	20	30
Pittsburgh	Ohio	•	•	•	•	•	25
Midland, Dam No. 7	Ohio	•	15.3	22	•	•	30

Daily Temperatures for July, 1942

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Allentown ²	Maximum...	81	76	85	88	86	87	77	82	81	78	84	85	90	93	83	84	88	81	96	96	85	85	82	81	85	85	85	89	87	85	77	84.7
	Minimum...	60	68	60	64	65	68	55	58	56	52	59	63	58	63	65	54	61	67	69	71	69	66	67	63	63	67	69	69	65	66	68	63.6
Altoona(near).....	Maximum...	77	81	82	84	81	77	74	78	79	75	83	85	91	87	84	79	93	90	92	87	81	79	80	82	78	75	77	86	83	84	85	82.2
	Minimum...	62	63	52	55	62	67	46	50	51	49	64	55	57	68	54	48	63	72	71	72	57	54	61	59	56	61	66	65	66	64	62	59.7
Arendtsville.....	Maximum...	80	82	84	88	86	85	80	80	83	82	87	88	95	92	89	87	95	89	95	94	83	85	80	79	77	81	85	89	89	88	86.0	
	Minimum...	65	66	60	62	64	68	53	52	60	57	63	59	60	67	57	55	66	70	72	74	67	64	60	63	64	67	69	63	65	64	65	63.3
Bedford.....	Maximum...	85	80	83	88	86	82	78	79	83	82	86	85	94	92	89	85	98	97	94	91	84	83	84	81	78	78	85	87	89	87	85.8	
	Minimum...	64	63	70	57	62	60	48	51	56	51	67	56	60	66	53	48	65	77	70	72	59	57	64	74	58	60	67	65	61	63	64	61.7
Bethlehem ³	Maximum...	81	74	86	88	86	85	76	81	81	76	81	85	90	93	83	84	90	78	96	94	85	83	84	80	84	81	84	90	88	87	72	84.3
	Minimum...	67	64	62	64	69	62	56	60	56	51	60	66	60	71	62	56	64	68	72	78	68	67	67	64	61	68	69	68	64	64	66	64.5
Bloomsburg(near)...	Maximum...	83	84	83	87	83	83	76	80	79	77	83	85	92	90	81	80	89	87	94	90	82	86	83	85	88	80	80	89	85	86	83	84.3
	Minimum...	62	64	55	58	56	61	46	49	46	48	52	54	53	64	48	45	62	62	69	71	58	55	63	59	59	61	62	62	62	61	57.7	
Blue Mt. Interechange ³	Maximum...	84	82	86	90	94	94	80	81	84	78	86	89	93	94	83	88	94	88	97	94	81	92	84	82	84	86	90	89	87	89	88	87.5
	Minimum...	66	64	60	62	68	64	54	55	61	62	64	61	63	70	68	56	68	74	78	66	62	64	62	64	64	64	65	68	64	67	64.3	
Bradford.....	Maximum...	77	74	77	78	79	77	71	72	73	73	79	80	87	87	77	72	86	86	88	85	77	78	80	83	83	82	85	82	81	79	80	79.6
	Minimum...	53	51	38	55	46	57	38	51	38	40	63	53	49	72	47	45	59	67	67	66	55	51	52	51	53	57	63	59	56	62	54.2	
Breezewood Intehg ³ ..	Maximum...	80	82	86	88	83	82	78	82	84	82	88	92	96	92	84	88	96	96	96	92	84	89	85	83	83	85	90	90	90	86	90	87.2
	Minimum...	67	62	59	60	64	63	50	52	58	54	68	56	60	70	54	50	66	70	72	68	60	57	67	62	61	68	66	64	64	64	66	62.0
Brookville ⁵	Maximum...	78	79	80	81	81	70	72	78	76	68	79	83	89	81	76	75	89	93	90	82	78	79	80	83	81	79	85	83	81	83	81	80.6
	Minimum...	61	49	46	56	53	46	44	40	45	54	50	54	52	48	44	62	69	69	67	57	55	56	54	56	60	65	62	59	61	64	54.6	
Burnt Cabins(near) ³ .	Maximum...	76	82	84	88	88	84	80	82	83	78	87	88	93	96	85	86	94	95	96	94	82	88	85	82	82	82	90	88	88	88	86.6	
	Minimum...	63	62	55	56	61	63	52	50	54	51	65	54	58	66	53	47	63	68	70	67	59	54	63	62	60	63	64	63	62	61	62	59.7
Butler.....	Maximum...	89	93	82	81	86	74	79	82	82	80	91	91	94	91	85	92	97	97	98	98	85	86	81	86	87	86	90	86	89	87	87.6	
	Minimum...	65	57	46	50	56	54	46	52	49	50	65	54	53	70	56	45	65	79	75	71	58	60	61	56	58	60	65	62	64	63	67	58.9
Carlisle.....	Maximum...	82	83	84	90	85	85	80	82	83	80	85	85	93	93	86	85	91	85	95	93	85	85	81	81	80	78	84	80	87	86	87	85.5
	Minimum...	68	68	61	64	68	65	53	54	57	55	63	61	60	70	61	54	67	69	70	74	65	60	61	64	60	65	68	67	68	59	67	63.4
Chambersburg.....	Maximum...	81	86	88	91	88	88	82	85	85	80	90	90	96	96	87	88	95	92	100	96	86	90	83	81	81	85	89	92	89	90	91	88.4
	Minimum...	68	64	61	67	65	66	53	58	58	57	64	61	62	71	59	54	67	70	71	73	64	59	62	65	66	67	66	67	66	63	65	63.8
Claysville ²	Maximum...	76	77	80	83	80	75	75	75	81	76	85	86	88	87	79	84	92	94	89	82	84	78	80	84	84	83	81	86	85	85	85	82.5
	Minimum...	66	56	49	52	59	64	48	48	55	56	61	54	58	63	51	50	50	63	70	73	58	60	54	54	55	58	68	61	62	63	64	58.2
Coatesville.....	Maximum...	88	78	89	91	87	89	80	83	83	84	87	85	91	94	92	86	92	84	98	95	85	88	83	81	84	86	93	91	91	89	81	87.4
	Minimum...	65	67	61	65	67	66	59	56	62	57	65	71	60	69	68	57	68	75	74	75	74	66	61	64	64	69	74	68	66	66	69	66.2
Corry ²	Maximum...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Minimum...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coudersport.....	Maximum...	79	81	82	82	76	75	79	79	80	72	85	87	90	90	92	91	90	76	92	90	84	82	88	90	86	80	92	86	84	86	90	84.4
	Minimum...	56	45	50	48	50	39	40	37	38	37	59	40	48	50	60	62	56	68	60	62	60	64	68	70	68	60	69	66	68	67	70	56.0
Derry.....	Maximum...	90	81	84	86	83	83	79	79	80	79	85	86	92	88	83	81	95	95	93	92	82	82	83	87	81	84	83	87	86	86	86	85.2
	Minimum...	67	65	51	65	64	62	48	54	60	55	66	55	54	71	51	47	67	77	74	75	58	59	60	58	60	69	67	67	66	68	62	62.2
Ebensburg ²	Maximum...	73	77	78	79	77	72	71	74	75	71	79	81	87	82	78	88	91	87	89	79	82	80	78	75	75	77	83	79	81	81	79.3	
	Minimum...	59	59	47	52	58	58	43	56	45	49	60	52	55	64	48	49	44	67	67	61	52	54	53	54	59	63	61	59	60	60	55.9	
Edinboro.....	Maximum...	76	70	80	75	82	82	72	72	76	76	78	85	90	87	75	75	90	90	90	85	80	80	78	81	85	80	89	87	82	82	83	81.1
	Minimum...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Emporium ²	Maximum...	80	81	82	84	83	71	75	78	.....	.....	.....	84	91	.....	87	88	90	.....	90	.....	88	84	83	87	83	85	85	87	83	84	83	83.9 [†]
	Minimum...	60	58	49	51	54	62	44	48	43	44	.....	.....	59	.....	47	50	60	.....	.....	.....	60	62	57	58	56	60	55	65	62	63	61	55.5 [†]
Ephrata.....	Maximum...	82	82	88	91	87	88	81	84	86	82	87	89	94	94	87	86	93	94	98	95	88	87	84	80	86	85	88	92	91	90	80	87.4
	Minimum...	68	66	61	64	66	65	56	57	61	51	63	62	60	68	59	54	66	69	68	75	67	63	66	62	64	67	72	66	66	66	69	64.2
Erie ³	Maximum...	71	69	82	73	85	69	72	72	71	70	76	81	88	78	74	78	91	89	91	78	78	80	76	80	82	82	82	78	76	80	78.5	
	Minimum...	65	58	52	65	60	58	55	61	55	59	63	63	70	68	64	62	70	78	71	68	67	64	61	64	68	69	72	71	68	68	70	64.7
Franklin ²	Maximum...	80	74	81	81	82	70	75	79	79	68	84	86	90	85	77	76	90	94	90	82	83	72	82	87	83	80	86	83	85	85	81.9	
	Minimum...	63	55	44	45	53	54	45	46	46	46	50	55	5																			

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Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Midland.....	Maximum....	80	76	83	85	81	82	78	82	86	80	87	88	93	90	82	83	96	95	96	94	86	80	84	85	87	87	87	91	87	90	88	86.4
Midland.....	Minimum....	65	62	52	59	59	67	55	55	61	59	64	69	62	69	56	53	67	77	77	74	66	63	67	59	64	67	69	62	63	67	67	62.7
Moutrose ²	Maximum....	75	80	80	82	80	75	72	71	72	70	79	78	89	86	73	79	83	81	91	86	78	83	79	83	87	75	84	85	80	79	79.8	
Moutrose ²	Minimum....	60	61	50	51	59	46	47	50	49	52	58	59	59	31	42	46	52	66	63	61	57	60	60	60	60	60	64	64	59	60	62	56.3
Mt. Lebanon.....	Maximum....	77	80	82	85	81	77	77	80	81	77	87	89	92	88	80	81	97	97	93	90	85	76	83	87	82	85	83	89	89	87	88	84.7
Mt. Lebanon.....	Minimum....	65	58	53	62	62	59	49	51	51	59	63	68	61	67	56	62	67	76	78	70	60	63	57	60	65	67	69	64	62	64	68	61.9
Mt. Pocono.....	Maximum....	78	73	79	77	77	75	72	75	77	72	77	80	87	87	76	76	78	75	84	85	80	75	76	77	80	75	71	79	75	80	77	77.6
Mt. Pocono.....	Minimum....	60	59	52	56	58	60	42	48	45	47	55	51	55	61	52	46	59	65	64	68	58	56	59	57	56	62	65	60	58	60	60	56.7
Neshaminy Falls.....	Maximum....	87	78	85	89	88	86	77	80	87	82	82	88	87	92	90	82	88	92	96	92	88	83	82	82	82	89	86	91	94	92	79	89.0
Neshaminy Falls.....	Minimum....	56	55	62	63	65	59	56	55	60	56	49	57	59	60	61	52	62	67	67	68	65	65	65	60	61	64	58	62	62	59	60	60.3
New Castle.....	Maximum....	92	80	81	85	85	85	73	79	82	81	86	91	91	89	83	80	97	96	96	96	93	84	78	84	86	86	84	90	89	90	88	86.3
New Castle.....	Minimum....	64	57	48	58	53	62	50	55	50	53	62	67	62	67	55	60	50	79	73	77	59	64	59	56	61	65	68	65	65	64	68	60.7
Newell ³	Maximum....	76	81	82	81	80	76	75	76	82	78	84	89	90	86	80	87	91	93	91	86	86	85	82	88	82	83	79	83	83	88	84	83.6
Newell ³	Minimum....	67	61	54	62	61	60	51	55	58	57	63	58	72	69	56	52	61	73	73	71	64	62	60	61	61	71	66	68	68	64	62	62.9
Palmerton ³	Maximum....	81	79	82	89	87	86	78	81	83	77	87	87	93	95	85	88	90	98	95	87	80	83	82	87	6	90	93	89	88	77	85.9	
Palmerton ³	Minimum....	57	62	59	61	63	59	50	52	50	47	61	58	55	69	58	51	65	69	68	73	67	61	64	59	60	60	68	66	62	62	67	60.9
Philadelphia Airport Station ⁵	Maximum....	88	73	87	90	88	90	80	83	85	84	85	87	90	95	85	85	94	84	99	96	87	85	86	81	84	85	90	91	91	89	82	87.0
Philadelphia Airport Station ⁵	Minimum....	69	66	62	70	68	67	64	62	64	59	66	68	64	71	66	62	69	71	72	77	71	66	64	61	69	68	73	70	69	68	70	67.4
City Office ³	Maximum....	85	73	84	89	86	88	79	81	84	83	84	87	88	92	83	85	89	83	98	93	88	84	81	83	83	88	91	90	89	79	85.6	
City Office ³	Minimum....	70	68	66	71	72	70	65	65	66	66	71	72	73	71	70	74	72	78	73	73	69	69	69	71	71	73	71	72	70	70	70.5	
Franklin Institute ²	Maximum....	89	74	87	90	89	89	79	83	81	85	84	86	88	94	84	85	91	90	98	95	88	85	87	82	85	85	90	92	92	81	87.1	
Franklin Institute ²	Minimum....	69	69	65	65	74	71	64	65	65	65	69	66	73	69	64	73	71	70	80	72	70	67	70	71	71	68	70	70	69	70	69.1	
Shawmont.....	Maximum....	86	77	87	90	89	89	86	82	83	82	81	86	89	93	91	83	89	89	96	95	87	86	85	85	85	83	89	90	88	88	87.1	
Shawmont.....	Minimum....	67	68	62	68	67	69	55	59	53	65	64	60	70	60	56	65	70	68	74	70	67	63	64	57	65	74	74	67	66	71	65.1	
Phoenixville.....	Maximum....	88	79	90	93	92	91	89	85	88	87	87	87	92	97	94	88	92	91	99	102	95	96	87	87	87	86	94	95	95	95	93	91.1*
Phoenixville.....	Minimum....	65	68	59	62	65	68	56	55	56	51	65	61	57	69	57	55	64	71	68	79	78	64	60	64	60	64	73	67	65	64	70.4	
Pittsburgh Arpt Sta. ³	Maximum....	76	79	82	84	81	75	75	78	80	76	86	89	90	87	80	83	94	95	91	85	85	78	82	85	81	85	82	87	86	87	86	83.5
Pittsburgh Arpt Sta. ³	Minimum....	66	60	57	63	65	60	55	58	62	64	66	66	67	61	59	66	77	76	66	63	65	61	62	61	66	71	65	67	65	68	64.3	
Pittsburgh City Office ³	Maximum....	80	80	83	85	83	77	79	81	82	78	87	90	92	89	82	84	96	98	93	86	86	79	83	88	82	86	90	89	88	89	85.4	
Pittsburgh City Office ³	Minimum....	68	63	57	63	65	62	56	61	61	62	67	63	66	68	61	58	71	80	78	70	66	64	62	65	64	70	72	68	72	67	66.0	
Port Clinton.....	Maximum....	82	77	82	87	87	85	81	80	81	78	83	85	90	92	89	82	85	90	94	89	83	83	82	83	83	85	89	88	86	84	85.2	
Port Clinton.....	Minimum....	67	59	62	61	62	64	51	52	51	47	60	59	55	66	63	49	61	68	66	70	66	58	63	60	59	65	71	67	64	61	61.0	
Pymatuning Dam ²	Maximum....	80	70	89	79	82	68	75	77	76	68	83	86	90	81	75	92	93	90	82	80	75	80	84	84	83	88	85	84	83	86	81.3*	
Pymatuning Dam ²	Minimum....	63	53	44	54	53	59	51	53	45	49	59	53	59	66	52	49	69	73	71	55	53	54	53	61	64	67	64	62	62	67	58.3*	
Quakertown.....	Maximum....	81	79	84	86	84	85	76	79	80	78	80	83	88	91	86	83	86	85	94	91	85	83	85	82	83	83	85	87	87	85	75	83.8
Quakertown.....	Minimum....	65	60	56	62	61	64	52	51	54	67	61	60	51	67	57	61	62	67	65	73	65	63	57	61	64	69	65	62	64	66	62.1	
Reading ³	Maximum....	81	79	87	90	86	87	78	83	83	81	87	87	92	92	84	83	90	91	96	91	87	85	83	80	85	86	92	90	89	88	83.8	
Reading ³	Minimum....	71	67	63	67	70	67	59	64	57	63	68	63	74	67	69	67	70	72	77	70	67	68	65	66	70	72	68	68	68	71	67.1	
Ridgway ²	Maximum....	79	79	81	81	81	70	74	78	78	70	81	84	90	85	77	76	88	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
Ridgway ²	Minimum....	58	55	44	45	50	51	40	41	39	40	44	47	48	46	43	45	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Scranton ³	Maximum....	78	79	83	87	82	80	75	78	75	75	82	82	91	89	78	80	85	77	94	89	81	81	84	84	86	81	86	88	84	82	86	82.5
Scranton ³	Minimum....	68	65	60	62	66	58	51	55	52	62	63	57	70	61	51	65	69	67	71	67	63	66	64	62	65	71	67	64	68	69	62.9	
Seliugsgrove.....	Maximum....	84	85	85	88	84	84	77	82	82	81	85	87	92	91	89	86	87	94	90	86	84	82	82	84	83	87	83	86	83	86	85.4	
Seliugsgrove.....	Minimum....	63	65	57	69	66	63	48	49	51	48	62	58	56	67	54	49	63	64	64	71	62	67	63	63	67	69	65	65	64	63	60.9	
Sharon.....	Maximum....	82	82	86	86	89	89	79	83	83	83	89	92	96	88	81	82	99	100	100	96	88	88	76	88	89	89	92	91	90	85	89	88.3
Sharon.....	Minimum....	68	61	51	64	59	59	52	60	51	58	69	61	66	67	60	53	73	73	75	70	65	67	61	69	67	71	72	71	72	70	64.9	
Somerset.....	Maximum....	80	75	77	77	78	75	72	70	76	76	79	81	82	85	79	80	87	88	87	85	80	77	78	77	74	75	79	82	82	80	80	79.2
Somerset.....	Minimum....	62	62	52	50	56	62	46	47	50	48	63	50	51	65	47	43	68	69	67	68	55	52	57	54	58	64	64	61	62	63	60	57.1
Springs.....	Maximum....	72	75	77	78	76	73	69	69</																								

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER

HARRISBURG, PA.

VOL. XLVII.

AUGUST, 1942.

No. 8.

GENERAL SUMMARY.

Temperatures averaged below normal for the first time since February but the average daily excess, accumulated during the year, was not greatly reduced, now being 0.8°. The highest maximum for the month was lower than any extreme maximum, for August, since 1927. Unusually low minima were reported, the extreme minimum being the lowest recorded in any August since 1925, when the absolute minimum of 26°, for this month, was reached at West Bingham.

Precipitation again averaged above normal and the accumulated surplus for the year rose to 1.09 inches. Rain was frequent, with heaviest amounts reported southeast of the mountains. In this area, numerous storms in the first half of the month kept streams high and caused frequent flooding of low-lying sections. Much damage to farms, highways, bridges, and roadbeds resulted. Most damaging floods occurred in the extreme southeast when excessive rain on the 8th caused streams to rise rapidly. Two men were drowned, families were forced to flee from their homes, industrial plants were flooded, causing work stoppages and ruining valuable machinery. Roads were covered and 17 bridges were lost or damaged. Highway and rail traffic were blocked and were forced to detour. Damage was high but has been estimated at less than \$1,000,000.

Heavy rain on the 13th again raised southeastern streams to flood levels. One death resulted, indirectly, from the flood; roads, bridges, and railroads were washed out; and crops were damaged. On the 16th, lightning killed one man in Philadelphia and caused fires which resulted in \$28,000 damage to barns in Lancaster and Perry Counties. Harrisburg and Philadelphia experienced heavy rain on the 16th and 17th, when cellars and streets were flooded and traffic was blocked.

Thunderstorms were reported by all stations, those of the 16-17th being most severe over the eastern portion of the State. Hail was reported by scattered stations and high winds caused minor damage on various dates.

G. W. S.

TEMPERATURE.

The average temperature for the State, as deduced from the reports of 74 stations, was 69.5°, which is 0.8° below the 55-year normal for August. The highest monthly mean was 76 1° at Marcus Hook, and the lowest was 62 2° at Kane. Extremes ranged from a maximum of 96° at Selinsgrove, on the 14th, to a minimum of 27° at Kane, on the 25th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 192 stations, was 4.53 inches, which is 0.31 inch above the 55-year normal for August. The greatest monthly amount was 13.77 inches at Marcus Hook, and the least, 0.69 inch at Titusville. The greatest amount for any 24 consecutive hours was 6.17 inches at Marcus Hook on the 12-13th.

ERRATA

June, 1942. — Page 37, Coudersport, mean temperature should be 64.0, departure +0.2°; Emporium, days with .01 or more should be 12; Meadville, number of days partly cloudy and cloudy should be 20 and 8, respectively; Williamsport, mean temperature should be 70.0°, departure +1.0°; page 41, Coudersport, mean minimum should be 49.8°; page 42, Williamsport, mean minimum should be 58.0.

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	69.8	100	33	7.05		10	13	10	8
1889	67.4	100	37	3.24		8	15	10	6
1890	68.8	98	34	5.76		12	9	14	8
1891	69.6	99	35	5.09		12	8	12	11
1892	71.4	99	42	3.77		9	14	7	10
1893	70.4	99	30	4.50		8	14	10	7
1894	69.4	98	32	1.84		6	13	12	6
1895	72.3	101	32	3.23		9	15	11	5
1896	71.2	101	35	2.22		8	14	11	6
1897	67.9	97	34	3.17		9	14	11	6
1898	72.3	99	37	6.60		12	11	11	9
1899	71.2	101	38	4.01		7	14	10	7
1900	75.0	103	38	3.33		9	14	12	5
1901	72.0	99	42	6.81		11	10	12	9
1902	67.8	100	34	2.62		8	13	13	5
1903	67.2	99	36	5.29		14	9	12	10
1904	68.0	96	34	4.36		9	15	10	6
1905	69.6	95	36	5.71		12	12	12	7
1906	73.2	96	39	5.62		12	10	12	9
1907	68.0	97	32	2.94		10	16	9	6
1908	69.4	102	30	3.22		7	15	10	6
1909	69.4	100	34	2.31		7	16	9	6
1910	69.8	98	35	2.61		6	14	10	7
1911	71.4	102	36	7.63		13	11	8	12
1912	67.1	93	36	5.02		14	9	12	10
1913	70.4	102	38	2.69		8	17	9	5
1914	71.3	100	34	3.85		11	13	11	7
1915	68.0	99	34	6.71		15	10	11	10
1916	71.9	103	32	2.57		8	17	10	4
1917	71.2	101	38	6.69		10	15	10	6
1918	73.6	108	32	4.12		11	16	10	5
1919	68.2	94	35	5.43		12	13	10	8
1920	70.2	95	37	4.66		15	9	12	10
1921	68.4	97	35	3.83		9	17	8	6
1922	69.1	100	31	3.14		10	15	9	7
1923	69.2	96	30	3.10		9	15	11	5
1924	70.1	102	31	3.78		9	16	10	5
1925	69.7	97	26	2.28		7	18	9	4
1926	71.9	103	32	5.69		15	11	8	12
1927	65.5	92	34	4.12		12	12	10	9
1928	73.4	99	35	4.60		12	13	11	7
1929	67.7	98	31	2.52		7	17	5	6
1930	70.3	108	29	1.47		7	15	10	6
1931	71.1	104	40	4.01		12	11	10	10
1932	71.6	103	34	2.82		8	19	8	4
1933	70.8	104	38	7.61		12	13	9	9
1934	68.6	98	30	4.94		11	14	8	9
1935	71.3	94	31	3.91		11	13	10	8
1936	73.2	102	37	4.96		12	13	11	7
1937	73.5	101	40	5.43		12	13	9	9
1938	73.8	100	36	2.90		8	17	10	4
1939	73.3	98	41	2.98		8	15	10	6
1940	68.8	98	30	4.57		11	11	9	11
1941	68.8	101	31	4.35		8	17	9	5
1942	69.5	96	27	4.53		11	10	11	10
Period	70.3	108	26	4.22		10	14	10	7

Climatological Data for August, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Observers	
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy	Cloudy		Prevailing direction of wind
Atlantic Drainage																				
Allentown.....	Lehigh.....	254	30	70.6	-1.4	91	15	44	25	8.74	+3.84	3.30	8-9	0	11	10	12	9	s.	Allent'n-Bethlehem Gas Co.
Altoona (near).....	Blair.....	1,615	55	65.0	-1.2	89	16	36	25	3.35	-0.14	1.28	8	0	12	17	9	5	w.	City of Altoona.
Bedford.....	Bedford.....	1,120	10	70.0	-1.6	89	17	42	25†	4.90	+1.33	1.40	18	9	0	12	8	15	sw.	Charles C. Lee.
Bethlehem.....	Northampton.....	364	56	70.7	-2.6	91	15	46	25	7.10	+2.65	2.87	9	0	10	19	2	10	sw.	Lehigh University.
Bloomsburg (near).....	Columbia.....	610	16	68.7	.....	90	16	36	25	4.51	.....	1.87	17	0	9	9	14	8	nw.	Benjamin F. Conner.
Burnt Cabins (near).....	Huntingdon.....	990	1	68.8	.....	93	15	37	25	5.31	.....	1.95	17	0	9	10	9	12	se.	Penna. Turnpike Comm.
Carlisle.....	Cumberland.....	473	73	71.3	-1.6	90	17	42	26	6.60	+1.88	2.24	17	0	10	18	4	9	sw.	Clarence E. Miller.
Chambersburg.....	Franklin.....	600	45	72.2	-0.2	95	1	44	26	4.90	+1.08	1.12	9	0	11	6	13	12	sw.	William B. Spear.
Coatesville.....	Chester.....	431	55	72.4	-0.3	93	2	46	26	11.56	+6.83	5.57	8-9	0	13	4	15	12	se.	Howard L. Pyle.
Eagles Mere.....	Sullivan.....	2,020	1	.....	.....	88	1	.....	.....	2.51	.....	0.64*	9	0	12	11	9	8	ne.	Carl E. Bigger.
Emporium.....	Cameron.....	1,033	57	66.7	-1.0	88*	15	38*	25	2.25	-1.73	0.78	14	0	9	20	6	5	w.	E. M. Poorman.
Ephrata.....	Lancaster.....	365	45	72.6	+0.2	91	15	44	25	10.99	+6.73	4.56	17	0	13	11	6	14	sw.	Ira J. Keath.
Freeland.....	Luzerne.....	1,970	49	63.6	-3.1	85	15†	42	25	2.61	-1.79	0.80	14	0	10	15	4	12	w.	Andrew B. Evansha.
Gettysburg.....	Adams.....	553	69	71.5	-0.8	90	17	47	25†	6.55	+2.23	1.08	14	0	13	14	5	12	s.	Dr. Henry Stewart.
Gordon.....	Schuylkill.....	900	38	67.7	-0.6	89	15	37	25	3.56	-0.60	0.91	17	0	7	14	8	9	w.	Miss Sallie M. Johnson.
Hanover.....	York.....	600	38	71.6	-2.0	91	1	47	25	6.85	+2.33	1.26	9	0	10	7	5	19	s.	Evening Sun.
Harrisburg Airport.....	York.....	351	73	72.1	-0.5	94	15	48	25	4.60	+0.56	0.97	8-9	0	11	5	11	15	sw.	U. S. Weather Bureau.
Hawley.....	Wayne.....	900	24	67.2	-0.8	89	15	38	25†	3.18	-0.91	1.02	9	0	12	14	9	8	w.	Mrs. Della M. Pennell.
Holtwood.....	Lancaster.....	200	27	73.8	-1.2	91	2	54	26	9.02	+5.10	3.10	8-9	0	13	4	11	16	nw.	Penn. Water & Power Co.
Huntingdon.....	Huntingdon.....	700	55	70.3	-0.4	92	15	42	25	3.52	-0.36	0.78	8	0	11	14	9	8	w.	Prof. Paul R. Yoder.
Kylertown.....	Clearfield.....	1,700	13	65.7	-1.6	85	15†	35	25	3.22	-0.15	0.96	22	0	10	4	10	17	w.	U. S. Weather Bureau.
Lancaster.....	Lancaster.....	255	55	71.5	-0.9	91	2	44	25	7.90	+3.82	3.57	8-9	0	15	16	9	6	nw.	Lancaster Water Bureau.
Lawrenceville.....	Tioga.....	996	45	.....	.....	89	15†	40*	25	4.39	+0.92	2.23	13	0	10	13	13	5	nw.	Carlos P. Darling.
Lebanon.....	Lebanon.....	469	58	71.6	-0.6	93	15	43	25	6.76	+2.33	2.45	17	0	11	22	4	5	sw.	Lebanon Valley Gas Co.
Lebanon.....	Mifflin.....	467	4	72.4	.....	94	15†	50	27	4.27	.....	1.18	17	0	14	7	11	13	.....	Penna. Edison Co.
Lock Haven.....	Clinton.....	557	52	69.6	-1.9	92	16	40	25	2.50	-1.51	0.65	9	0	14	11	9	11	sw.	William R. Kelley.
Marcus Hook.....	Delaware.....	12	16	76.1*	-0.2	95*	1	58*	25†	13.77	+8.09	6.17	12-13	0	15	19	2	10	sw.	Sun Oil Co.
Montrose.....	Susquehanna.....	1,176	37	65.8	-1.0	86	16	43	25†	3.25	-0.82	1.11	17	0	13	17	6	8	nw.	Harry S. Fancher.
Mt. Pocono.....	Monroe.....	1,720	36	63.5	-0.5	84	22	34	25	8.04	+3.78	2.24	16	0	12	16	2	13	e.	Cecil J. Hoskinson.
Neshaminy Falls.....	Bucks.....	80	53	71.4	-0.5	91	21	50	31	5	.....	1.12	8-9	0	9	21	2	8	w.	Phila.-Suburban Water Co.
Palmerton.....	Carbon.....	453	24	69.6	-1.3	91	17	41	25	5.53	+1.57	1.74	16	0	9	1	12	18	ne.	New Jersey Zinc Co.
Philadelphia City Office.....	Philadelphia.....	26	71	74.1	-0.7	92	1	55	25	6.55	+1.93	1.68	12-13	0	9	8	11	12	sw.	U. S. Weather Bureau.
Phoenixville.....	Chester.....	100	32	75.0	+1.2	95	2†	42	25	8.88	+3.03	5.19	8-9	0	12	12	12	7	w.	Phila.-Suburban Water Co.
Port Clinton.....	Schuylkill.....	407	4	70.2	-1.1	92	16	41	25	7.44	+2.27	1.94	13	0	9	23	4	4	.....	Earl E. Rarick.
Quakertown.....	Bucks.....	450	57	69.4	-1.0	89	15	41	26	8.27	+3.18	4.18	9	0	14	12	12	7	nw.	John E. Benner.
Reading.....	Berks.....	273	72	72.4	-0.5	92	15	49	25	7.75	+3.54	3.08	8-9	0	12	8	8	15	sw.	U. S. Weather Bureau.
Scranton.....	Lackawanna.....	746	48	69.3	-0.5	90	6	44	25	1.66	-2.03	0.92	8-9	0	8	9	13	9	n.	U. S. Weather Bureau.
Selinsgrove.....	Snyder.....	476	52	70.6	-0.8	96	14	40	25	2.77	-1.07	0.62	15	0	8	5	15	11	w.	Dr. George E. Fisher.
State College.....	Centre.....	1,217	58	69.0	+0.2	90	15	41	25	2.78	-0.70	0.74	8	0	8	4	17	10	sw.	Penna. State College.
Stroudsburg.....	Monroe.....	440	28	69.0	-0.9	90	1	40	24	7.07	+2.87	2.02	9	0	13	12	8	11	w.	Metropolitan Edison Co.
Towanda.....	Bradford.....	754	48	68.8	+0.3	91	15†	35	25†	1.21	-2.19	0.37	17	0	8	10	15	6	ne.	Mrs. M. Ordella Parks.
Wellsboro.....	Tioga.....	1,319	72	65.8	-0.6	88	21	35	25	3.92	+0.74	1.05	29	0	18	14	15	2	sw.	M. S. Bliss.
West Chester.....	Chester.....	410	93	71.8	-0.3	91	15	47	25†	9.58	+4.58	3.77	8-9	0	12	14	7	10	sw.	Clyde T. Taylor.
Wilkes-Barre.....	Luzerne.....	544	4	68.9	.....	90	16	40	25	1.35	-2.43	0.70	8	0	10	8	13	10	nw.	U. S. Communication Sta.
Williamsport.....	Lycoming.....	550	56	71.4	+0.4	91	1	41	25	2.46	-1.27	0.86	9	0	13	7	20	4	w.	John D. McEwen.
Williamstown.....	Dauphin.....	1,275	27	69.0	-1.8	84	3†	45	25	3.66	-0.25	1.36	17	0	9	9	12	10	sw.	Susquehanna Collieries.
York.....	York.....	400	54	72.4	-0.2	93	2†	43	25	9.49	+5.43	2.87	13	0	15	12	13	6	sw.	York Water Co.
Division mean.....				70.1	-0.2	96	14	34	25	5.58	+1.36	6.17	12-13	0	11	12	9	10	w.	
Ohio Drainage																				
Bradford.....	McKean.....	1,680	1	65.6	.....	84	15	34	25	3.24	-0.44	1.22	23	0	11	4	17	10	w.	City Water Dept.
Brookville.....	Jefferson.....	1,400	52	66.2	+0.3	88	15	35	25	2.02	-1.82	0.94	22	0	9	5	16	10	ne.	Civil Aeronautics Auth'y.
Butler.....	Butler.....	1,077	29	69.7	-0.5	90	16	36	25	3.30†	-0.60	1.13*	23	0	10	18	7	6	.....	Butler Eagle.
Claysville.....	Washington.....	1,170	37	67.4	-4.3	89	2	37	25	4.04	+0.27	1.03	3	0	13	9	14	8	s.	Walter B. Paget.
Coudersport.....	Potter.....	1,653	15	66.6	+0.5	88	2	30	25	5.20	+1.83	1.50	13	0	9	17	11	3	nw.	Philip R. Shaw.
Derry.....	Westmoreland.....	1,150	45	70.4	+1.2	91	2	40	25	2.90	-1.17	0.99	23	0	13	8	12	11	w.	Miss N. Dixie Wineman.
Ebensburg.....	Cambria.....	2,170	25	.....	.....	86	15	36*	25	1.86*	.....	0.45*	23	0	9	13	12	6	nw.	Miss Claire K. Oliver.
Edinboro.....	Erie.....	1,220	10	66.4†	+0.3	86	15	36*	25	1.86*	.....	0.45*	23	0	9	13	12	6	nw.	Wallace J. Snyder.
Franklin.....	Venango.....	987	68	67.4	-1.1	87	2	41	25†	3.21	-0.48	1.75	23	0	9	9	15	7	w.	William K. Fuller.
Greensburg.....	Westmoreland.....	1,166	38	70.7	-0.3	90	2	42	25	5.11	+1.00	1.45	8	0	16	5	20	6	sw.	Westmoreland Water Co.
Grove City.....	Mercer.....	1,350	36	69.0*	+0.1	85*	17	41*	25	3.22	-0.25	1.65	23	0	8	7	17	7	sw.	Prof. H. W. Harmon.
Indiana.....	Indiana.....	1,300	41	68.4	-0.6	88	15	40	25	2.05	-1.87	0.55	23	0	11	11	11	9	se.	Indiana State Teachers Col.
Johnstown.....	Cambria.....	1,650	60	68.6	-2.8	89	15†	41	25†	2.46	-2.06	0.77	23	0	12	10	12	9	sw.	Robert Tross.
Kane.....	McKean.....	1,938	9	62.2	-2.9	83	15†	27	25	3.16†	-0.38	1.05								

Daily Precipitation for August, 1942

Stations	Counties	Day of month																															Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
ATLANTIC DRAINAGE																																			
Delaware Basin																																			
UPPER DELAWARE																																			
Dingmans Ferry ²	Pike	.99		.04						1.52	.35	.13			.05	.46	.08	.05	1.03	.16					.03	.13						.03		5.06	
Hawley ²	Wayne	.80		.38					1.02	.04	.01				.31	.09	.02	.24	.05							.01					.21			3.18	
Hollisterville ²	Wayne	.79		.21					.95	.02					.41			.19	.03												T.			2.62	
Matamoras ²	Pike	.76		.07					.98	.64	1.44				.58		.92	.73	.06															6.18	
Mount Pocono	Monroe		.07						.20	2.02	.53	.01	T.	.71	1.07	T.	2.24	.74							.10	.01					T.	.10		8.04	
Paupack ²	Pike	.95		.07					.96	.05	.25				.55			.35								.15								3.34	
Plains Mount	Wayne	.04	.20						.41	1.40					.26	.35		.03	.03						.07						.38	*	*	.10	
Stroudsburg ²	Monroe	1.23		.01						2.02	.08	.70			.05	.57	.27	.39	1.45	.16						.12						.02			7.07
Tanners Falls	Wayne		.13						.47	1.30					.21	.55		.23												.14				3.03	
LEHIGH																																			
Allentown ²	Lehigh	.90		.03					T. 3.30	.05	T.			.60	1.36			1.59	.49							.29				.12	.01			8.74	
Bethlehem ¹	Northampton	*	*	*	*	*	*	*	.43	2.87	.02		.25	1.72	.02		1.22	.25				*	*	*	.27	*				.05				7.10	
Blakeslee Corners	Monroe											1.53			.22	.63		.13	.20	*	*	*					.15			.03			2.89		
Gouldsboro ²	Wayne	.83		.08						.92	.03	.74				.02	.82	.10		.35	.47			T.		.24	.10					.06		4.76	
Lausford ²	Carbon	1.84		T.					T. 1.97	.03					.14	1.56	.70	.05	.44	.78							.28					.06		7.85	
Mauch Chunk	Carbon		T.						.25	1.73	.06		.07	.52	.58			.51	.75						.02	.25					.03	T.		4.77	
Merwiusburg ²	Monroe	1.33		.03						2.63		.15			.05	1.42	.26		1.49	.77							.19							8.32	
New Tripoli	Lehigh		.02						.19	1.73	.02				.63	.14		1.93	1.72	.02					.10	.27					.07	T.		6.84	
Palmertown	Carbon								.31	1.50	.35		.05	.30	.78	T.	1.74	.36							.22									5.63	
Zionsville	Lehigh		T.						.17	3.86	.02				2.07	.28		.37	*	2.05						.35	.26				.04	.02		9.49	
SCHUYLKILL																																			
Conshohocken	Montgomery			T.					.59	1.09	.26	T.	.48	1.07	.06		.78		.24															4.57	
Fredericksburg ²	Berks		.03						.03	3.48	.04			1.39	1.44			1.77	1.24							.44					.09	.23		10.18	
Freeland ²	Luzerne		.08							.70	.07	T.			.04	.80		.38	.26	.08					.02	.18	T.				T.			2.61	
Gratersford	Montgomery									.4.83			.14	.21	.13				.31											.43	.19		6.88		
Phoenixville ²	Chester	.74		.02					T. 2.60	2.59	.07				.25	.64			.29	.40							.44				.01	.33		8.38	
Port Clinton	Schuylkill								.24	1.46	T.	T.			1.94	.30		1.45	.67	.38						.52					.48			7.44	
Pottstown ²	Montgomery														.06	1.06	T.		.90	.40							.45				.03	T.		6.08	
Pottsville ²	Schuylkill	1.25		.06					.12	1.57	.03	.15				.06	1.06	T.		.90	.40														
Reading ¹¹	Berks		.05						.57	2.58	.04	*	.11	1.17	.01		1.21	.97						T.	.38						T.	.65	.01	7.75	
Wernersville ²	Berks	.20		.06					.07	1.98		*			.33	1.21			2.01	.50						.09	.26				.44	T.		7.15	
LOWER DELAWARE																																			
Coatesville	Chester		*	.05					.18	5.57	.15		.83	1.64	1.50			.63							.10	.24					.62	.05		11.56	
Doylestown	Bucks		.01						.06	4.26	T.		.45	.46	.96		.40	.25	.13						T.	.45					.49	.03		7.95	
Marcus Hook ²	Delaware	2.65		.48								1.51	.15	*	1.00	5.94			1.21	.15						.56					.03	.09		13.77	
Neshaminy Falls	Bucks								.04	1.12			.29	.52				.62	.34							.80					.02	.09		\$	
Philadelphia																																			
Airport Station ⁵	Philadelphia		.38						.49	.69	T.		2.44	1.63			1.83	.73							.57					.07	.10			8.93	
City Office ¹	Philadelphia		T.						.48	.83	T.		1.58	1.25			.99	.51							.58					.09	.24			6.55	
Franklin Inst. ²	Philadelphia	1.65							.02	1.65	.10		.99	1.31	2.00			2.00	.97							.67				.08	.30			11.74	
Shawmout	Philadelphia		.01	T.					.12	2.13		.16	.61	.31	.75		1	.20	.26							.56					T.	.14	.02	6.40	
Quakertown	Bucks		.02						.05	4.18	.02		.61	.71	.37		.63	.95	.13						.06	.35					.09	.03		8.27	
West Chester	Chester		.02						.20	3.77		.38	.25	2.11	.41		.07	.76								.45					.15	.01		9.58	
West Grove ²	Chester	.83		.23						2.00	.12				.94	2.58		T.	1.23	.15							.40				1.47	.13		10.08	
Susquehanna Basin																																			
CHEMUNG																																			
Covington ²	Tioga	.40	.10						.20	.20				.22			.30	.05			.03				.12	.17					.23			2.02	
Lawrenceville	Tioga		.13						.44	.15	.08	T.		2.23	.18		T.	.98							.03	.03	T.				.14	T.		4.39	
NORTH BRANCH																																			
Bloomsburg(nr.) ²	Columbia	.77		.02					.06	1.22					.23			1.87	.10											.12	T.			4.51	
Canton ²	Bradford	.42		.08					T. .39					.10	.29		.05	.32	.03						.01	.10	.11				.21	.03		2.14	
Danville ²	Montour	.63		.20					.18	.69				.04	.19	.05	T.	.60	.18						.20	.18					.05	.16		3.35	
Kellogg Mt. Tower ²	Bradford	.25		.33						.54		.01			.20				.29	.04							.01	.08				.72	.03	2.51	
Millville	Columbia		.07						.78	.05				.14	.10	.32	.60	.08								.12								2.26	
Montrose ²	Susquehanna	.57		.24						.76	.04	.14			.07	.01		1.11	.05								.05	.01			.19	.01		3.25	
Pikes Creek ¹	Luzerne		.05						.71	.42	.07		.04	.22	.20		.23	.03							.05	.05					.08			2.15	
Scranton ¹¹	Lackawanna		.36						.45	.47	.09	T.	.12	T.		.14	.02						T.	T.	T.					T.	.01	T.		1.66	
Susquehanna ²	Susquehanna	1.04		.04						.65	T.	.20			.06			.89	.01												.63			3.52	
Towanda	Bradford		.25	.18					.21	.10				.07	T.		T.	.37								.05	T.				.01	T.		1.24	
Tunkhannock ¹	Wyoming		.28						.30	.36				.05	.15		.09	.08								.45	.13							1.89	
Wilkes-Barre ²	Luzerne		.11						.70	.05	.02		T.	.11	.10		.14	.05							.05	.02					T.			1.85	
WEST BRANCH																																			
Ansonia ²	Tioga	.69	.07						.22	.40	.07				.98		.13	.35	T.						.02	.21	.14				.66			3.94	
Bald Eagle	Blair		.65						1.32	.01				.36			.25								.49	.18								3.26	
Bellefonte ²	Centre																																		
Berwinstale ²	Clearfield		T.		.33				.14	.42	.10	T.			.06		.55	.10	.11						.04	.20	.22				.02	T.	T.		2.29
Carter Camp ¹	Potter								.50	.68	.13			1.98		.31	.70								.41	.11								4.22	
Cedar Run ²	Lycoming	.34		.07					.08	.39	.06				.22		.06	.33									.18	.17				.08		1.98	
Clearfield ²	Clearfield	.05	.56	.56					.25	.70	.90			.09	.45		.38	.05	.05							.07	1								

Day of month

Continued on page 51

Daily Precipitation for August, 1942—Continued from Page 53

Stations	Counties	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALLEGHENY (continued)																																	
Seward ¹	Indiana.....	.03		.38					.04	.96	.06	.02		.02			.21	.06	.21					.76	.24				.06				3.05
Smethport ²	McKean.....	.02	.16						.30	.52	.40				.80		T.	.18	.05					.63	.08	.03							3.07
Strongtown ¹	Indiana.....		.14						.45	.13				.02	.10	.34	.05	.12				.01	.09	.43									1.88
Tionesta Dam ¹	Forest.....		.38						.05	.64					.10	.10							.59	.06					.03				2.35
Titusville ¹	Crawford.....	.21							.01	.09	.03					.02	.03						.18	.10	.02								0.69
Union City ¹	Erie.....		.15						.23	.17	.01					.22						.59	.08						.07				1.52
Vandergrift ³	Westmoreland.....	.19						.20	.39	.09	.04		.03	.05		.46	.04	.10				T.	.12	.40					.15				2.26
Warren ²	Warren.....	.15	.40	.03					.12	.15				T.		.04						.31	.90	.11	.02				.04				2.42
Youngsville ¹	Warren.....		.66						.31	.03					.01		.02						.84	.15					.05	.05			2.12
MONONGAHELA																																	
Confluence ²	Somerset.....	.06	.03	.40					.32	.81	.07	T.		.82	.03		.05	.13	1.20				.10	.80	.63					.73			6.18
Connellsville ²	Fayette.....	.09	.01	.11					.51	.11	.15			.48	.21			.06	.36				.02	.93	.70				.51	.05			4.30
Douart ¹	Washington.....		.20					.01	.65	.26	.01		.53	.03			.43	.33				T.		.71				.46					3.62
Greensboro ²	Greene.....	.05		.67	T.				.15	.43	.43			.76	.25			.06	.47				.12	.47	.87				.05				4.78
Greensburg.....	Westmoreland.....	.27	.38	.15				.05	.45	.23	.06		.15	.11			.08	.36				.02	T.	1.18	.03			.05	.54				5.11
Irwil ¹	Westmoreland.....	.74	.17	.24					.76	.40	.03		T.	.31	.05		.10	.36				.01	T.	.57					1.07				4.81
Meyersdale ²	Somerset.....		.06	.47					.25	.54			.09	.32	T.			.13	1.31				.16	.54	.51				.90				5.28
Murrysville ¹	Westmoreland.....		.26					.05	.64	.55			.22	.63			.08	.17					.15	.45				.02					2.62
Newell ¹	Fayette.....		.05	.25					.23	.30	.35			.60	.15			.50	.10					.87	.35				.86				4.63
Pittsburgh Arpt. ¹	Allegheny.....		.39					T.	.45	.30	T.		.36	.31		.05	.06	.18				T.	.02	.34				.13	.18	T.			2.77
Somerset.....	Somerset.....	.01	.26	.56					.48	.11			.04	.19	.03	.54	.17	2.00				.04	.05	1.19	.01				.54				6.22
Springtown.....	Somerset.....	.05		.58					1.09	.17	.02		.50	.24		.26		1.34				.19	1.81	.22	T.				1.54	.01			7.39
Uniontown.....	Fayette.....	.29		.28					.37	.23	T.		1.10	.44			.09	.61				.03		1.75	.02				.56				5.77
Waynesburg.....	Greene.....			.61					.73	.37			.35	.94	.06		.58					.17		1.68	.03								6.52
BEAVER																																	
Beaver Falls ²	Beaver.....	.04	T.	.09				T.		1.80		.17		T.	.07		T.	*	.22	.03			T.	.18	.51				.03	.02			3.16
Butler.....	Butler.....		.10						.30	1.03				.17	.03			* .47					*	1.15					.05				||3.30
Greenville.....	Mercer.....	.60	1.26						1.30	.05	.37			.02		.09	.11					.04	1.28	.08					*	.04			5.24
Grove City.....	Mercer.....		.28						.92				.10			.10	.01						1.65	.01				.15					3.22
Mercer ³	Mercer.....		.95					.03	.53	.35	T.		.02	T.	.11	.14					T.	.87	.05			.01		.16					3.22
New Castle.....	Lawrence.....		.12	.02				.18	.97	1.17	.02		.01				.45				T.		.98	.01			.18	.04					4.15
Penn Line ²	Crawford.....		.48						.22	.99	.35			.04			.26						.61	.08			T.	.06					3.09
Pymatuning Dam ²	Crawford.....	T.	1.21	.02					.02	.39	.37	.02	T.		.05	.02	T.	.80	.02	T.	T.			.53	.03	.01			T.	.02		T.	3.51
Sharou ²	Mercer.....		.13						.15	.28	.21				.05		.07						1.27	.21				.22	.02				4.61
OHIO																																	
Claysville ²	Washington.....	T.		1.03				.02	.07	.62	.24	.08			.15			.24	.42				.02	.64	.35				.16				4.04
Corapolis ²	Allegheny.....	.42	.12	.14					.01	.22	.01				.22		.01	.30	.05					1.03	.13				.05	.13			2.84
Midland ²	Beaver.....	1.22	.02	.18				T.		.40	.08	.35		.01	.19		.02	.45	.04				.61	.06	.34				.44				3.81
Mt. Lebanon.....	Allegheny.....		.30						.11	.17	.04		.05	.30		.85	.08	.22				T.	T.	.39	T.				.55				3.06
Washington ¹	Washington.....		.80						.37	.85			.10	1.38			.14	.36						.85				.10					4.95
LAKE DRAINAGE																																	
Erie ¹	Erie.....		.18	T.					.12	.47							.06						1.94					.03	.07				2.87
Raymond ¹	Potter.....		.09						.43	.09	.07			.72	.02	.23	.49							.22	.03				.32				2.71

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ⁵ Precipitation for period, 1:30 a. m. of date on which amount is recorded to 1:30 a. m. following date. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. § Incomplete or missing. ‡ Daily amounts inconsistent. T, (trace), when precipitation is less than .01 inch. || Record partially estimated.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind**				Relative Humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Erie.....	30.05	30.41	25	29.77	9	7.0	24	w.	22	82	....	79	58
Harrisburg.....	30.06	30.43	26	29.78	23	5.5	27	n.	15	87	57	76	58
Kylertown.....	30.08	30.42	26	29.83	10	7.8	26	nw.	22	95	62	77	....
Philadelphia.....	30.06	30.43	26	29.77	23	9.8	37	sw.	16	85	58	74	53
Pittsburgh.....	30.06	30.38	25	29.80	9	7.8	31	sw.	2	89	58	72	45
Reading.....	30.05	30.44	26	29.78	10	7.8	32	e.	8	83	54	52½	54
Scranton.....	30.09	30.44	26	29.76	2	5.2	24	nw.	24	85	57½	49½	56

* For any five-minute period.
† Local noon ‡ 3:00 p. m. ** Corrected to true velocities.
§ 4:00 p. m.

RIVER CONDITIONS

Stations	Rivers	Mean Stage	Highest stage	Date	Lowest stage	Date	Flood Stage
Port Jervis, N. Y.	Delaware	2.4	3.0	18	1.8	30†	18
Easton.	Delaware	3.7	9.2	17	1.7	8	22
Lehighton	Lehigh	3.6	4.5	18	3.0	31	9
Reading	Schuylkill	5.8	9.9	17	4.0	8	13
Wilkes-Barre	N. Br. Susquehanna	3.4	6.8	15	2.2	81	22
Williamsport	W. Br. Susquehanna	1.1	2.0	15	0.6	30	20
Newport	Juniata	3.9	5.5	18	3.4	7	22
Harrisburg	Susquehanna	3.8	4.6	18	3.4	31	17
Schenley, (nr) Lock No. 5.	Allegheny	12.3	12.9	1	11.9	31	24
Sutersville	Youghiogheny	3.9	6.4	25	2.8	7	20
Charleoi (nr.), Lock No. 4	Monongahela	14.3	23.0	24	11.0	3	30
Pittsburgh	Ohio	•	•	•	•	•	•
Midland, Dam No. 7	Ohio	•	16.0	25	•	•	30

Daily Temperatures for August, 1942

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Allentown ²	Maximum...	89	88	86	80	76	79	82	68	71	84	86	77	74	87	91	85	84	81	84	85	89	88	80	74	74	76	73	77	72	78	81	80.6
	Minimum...	69	64	67	57	55	56	59	59	64	63	65	68	69	69	71	68	61	58	59	60	69	70	62	44	47	48	53	56	62	55	60.7	
Altoona(near).....	Maximum...	86	88	83	79	77	76	73	68	70	77	82	76	74	84	88	89	77	79	82	85	83	85	78	68	69	72	76	82	83	77	78.8	
	Minimum...	67	68	65	55	52	51	56	59	58	61	58	57	64	63	60	63	64	52	52	57	64	66	59	48	36	42	46	52	65	62	50	57.2
Arendtsville.....	Maximum...	92	90	90	80	77	80	80	74	74	86	84	82	82	89	92	90	85	80	85	87	82	90	86	73	73	76	78	76	82	75	80	82.3
	Minimum...	69	69	74	60	59	57	60	62	62	63	63	65	70	68	64	67	68	63	62	59	65	65	73	57	48	45	50	51	61	62	55	61.8
Bedford.....	Maximum...	89	87	85	84	78	79	78	72	76	82	83	84	77	84	88	89	82	79	82	85	86	82	80	69	69	72	76	78	83	82	77	80.5
	Minimum...	66	67	68	54	56	56	61	62	62	65	65	61	65	65	60	67	65	60	54	58	61	65	61	52	42	42	46	52	62	63	54	59.4
Bethlehem ³	Maximum...	89	86	86	79	76	79	83	64	68	84	87	77	72	87	91	85	82	85	85	88	86	78	68	73	77	76	77	70	77	80	80.0	
	Minimum...	68	64	72	58	57	57	56	59	59	64	68	68	70	73	72	64	60	59	60	70	70	60	50	46	47	52	55	64	60	57	61.4	
Bloomsburg(near)...	Maximum...	89	86	83	80	77	80	82	71	73	83	84	78	75	87	87	90	82	86	82	85	88	89	84	71	75	76	78	73	78	81	83	81.3
	Minimum...	62	60	59	49	50	47	50	55	61	62	55	59	60	63	63	67	59	57	55	53	58	64	62	50	36	40	44	67	60	61	50	56.1
Blue Mt. Interchange ³	Maximum...	92	90	88	82	80	80	80	66	72	85	82	80	82	86	92	92	84	80	86	88	84	90	79	71	73	74	76	76	82	80	81	81.7
	Minimum...	70	70	70	62	58	58	64	60	60	62	62	63	68	70	64	68	62	62	57	60	68	66	64	52	43	47	54	53	60	62	56	61.1
Bradford.....	Maximum...	80	82	78	73	72	75	76	73	73	74	75	78	76	81	84	82	73	75	78	82	82	83	82	68	68	74	77	74	77	78	79	76.8
	Minimum...	62	67	52	49	40	42	45	61	58	56	56	52	53	62	56	65	64	58	63	58	58	59	61	49	34	36	43	58	64	57	48	54.5
Breezewood Intchg ³ ..	Maximum...	90	90	86	84	74	82	78	78	80	84	86	79	82	87	90	89	80	82	82	86	84	88	76	70	72	74	70	78	85	76	82	81.6
	Minimum...	70	68	64	58	58	56	62	62	64	60	63	68	66	61	68	62	59	54	50	58	64	60	52	38	40	52	54	54	56	50	58.8	
Brookville ⁵	Maximum...	81	84	77	77	75	77	74	66	80	76	80	77	76	83	88	85	74	77	83	85	79	85	68	62	69	76	78	74	81	77	79	77.6
	Minimum...	63	66	55	51	47	49	57	60	60	58	56	55	62	61	61	59	54	52	50	53	60	64	54	40	35	39	46	62	64	50	54.7	
Burnt Cabins(near) ³ .	Maximum...	92	92	88	82	73	80	76	66	80	86	87	80	80	90	93	88	78	78	84	88	86	90	74	70	72	74	76	78	75	80	81.1	
	Minimum...	64	63	63	54	54	53	58	60	59	61	58	60	66	64	62	62	59	58	52	55	60	62	54	45	37	39	50	54	62	54	52	56.6
Butler.....	Maximum...	89	83	80	80	80	84	80	73	81	81	78	85	78	84	86	90	81	84	87	89	89	89	83	70	78	83	85	79	80	79	82.5	
	Minimum...	64	67	59	53	50	52	62	64	62	63	62	59	65	63	60	61	61	52	51	52	62	66	50	30	36	40	43	65	69	49	50	56.8
Carlisle.....	Maximum...	90	89	87	81	76	79	82	75	73	85	84	83	80	86	89	86	81	82	83	84	86	90	86	74	72	74	78	75	84	78	80	81.7
	Minimum...	69	67	70	58	59	54	64	60	60	67	66	59	60	71	72	67	66	61	57	59	64	66	68	57	44	42	49	52	62	64	55	60.9
Chambersburg.....	Maximum...	95	92	91	81	76	82	79	71	76	88	87	79	82	88	93	91	80	81	85	89	87	90	83	74	74	77	79	79	86	78	84	83.1
	Minimum...	70	70	71	62	59	58	61	62	60	63	61	64	67	68	62	66	62	56	59	66	67	65	57	45	41	50	53	61	64	53	61.2	
Claysville ²	Maximum...	87	89	83	79	74	77	79	76	79	79	80	73	81	81	87	85	76	77	84	84	80	84	68	66	70	77	79	77	81	78	79	79.1
	Minimum...	64	65	68	57	56	49	51	57	62	56	56	56	57	57	62	63	53	49	53	53	62	64	47	37	38	45	52	65	67	51	55.6	
Coatesville.....	Maximum...	92	93	89	81	76	81	85	69	78	86	88	77	83	88	92	89	88	81	86	87	80	90	86	72	71	76	80	72	75	78	82.2	
	Minimum...	68	69	75	65	61	56	59	60	60	62	65	67	67	70	74	73	67	62	58	61	69	70	57	51	46	51	54	61	52	62	62.6	
Coudersport.....	Maximum...	84	88	84	77	73	80	78	74	74	78	80	84	80	82	85	80	76	80	80	84	85	85	77	66	75	74	80	75	83	80	84	79.5
	Minimum...	69	70	66	55	38	40	46	46	58	65	58	56	62	58	67	70	50	56	58	50	52	61	52	42	30	33	40	50	59	60	47	53.7
Derry.....	Maximum...	87	91	83	85	81	80	80	75	82	79	81	78	81	83	90	88	73	76	86	85	78	86	79	66	74	80	83	77	80	80	84	81.0
	Minimum...	69	69	68	62	54	52	64	64	63	64	60	57	65	64	60	63	67	55	51	56	67	66	61	53	40	45	51	61	67	61	54	59.9
Eagles Mere.....	Maximum...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Minimum...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ebensburg ²	Maximum...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Minimum...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Edinboro.....	Maximum...	82	82	78	76	75	77	75	73	79	76	75	81	80	80	86	80	74	77	80	85	83	85	69	64	73	77	78	76	77	80	81	78.0
	Minimum...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Emporium ²	Maximum...	86	85	80	80	76	78	82	69	77	77	81	78	70	85	88	73	75	79	81	85	86	87	69	65	71	75	81	.....	.....	.....	78.5 ^d	
	Minimum...	63	63	61	52	49	48	51	53	60	61	56	51	59	62	64	63	62	53	54	56	57	61	47	38	39	43	47	.....	.....	.....	54.9 ^e	
Ephrata.....	Maximum...	93	90	90	82	76	82	85	76	74	89	89	80	74	89	88	85	87	88	89	91	82	74	77	79	80	79	76	79	83	83	7	.....
	Minimum...	70	68	71	58	57	54	59	61	60	62	62	66	69	70	71	67	61	58	59	65	69	70	58	44	46	51	53	66	62	53	61	66
Erie ³	Maximum...	75	80	75	76	72	74	78	72	80	76	76	74	79	80	84	75	77	76	78	82	86	88	71	63	70	78	81	74	73	82	81	76.9
	Minimum...	69	71	65	63	56	56	64	65	65	63	64	61	68	67	70	67	63	60	63	69	72	67	61	53	48	55	60	68	64	67	62	63.4
Franklin ²	Maximum...	86	87	79	79	77	81	79	70	80	78	80	79	76	84	85	82	76	79	82	85	80	86	69	67	75	79	76	81	78	79	78.8	
	Minimum...	64	64	63	57	50	51	50	50	52	52	56	56	62	62	60	50	51	55	55	56	58	57	50	42	43	44	4					

Daily Temperatures for August, 1942—Continued from page 55

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Midland.....	Maximum.....	88	91	85	84	80	81	84	78	80	79	83	83	89	86	87	85	76	81	83	87	81	88	83	68	72	79	81	80	82	82	82	82.2
Montrose ²	Minimum.....	67	68	70	63	57	55	65	66	64	64	60	62	64	68	63	70	66	57	58	60	67	66	62	58	45	48	54	64	69	63	57	61.9
.....	Maximum.....	80	83	78	76	71	72	80	63	66	79	81	82	72	84	84	86	76	77	80	81	84	84	70	61	71	73	71	71	72	77	84	76.6
.....	Minimum.....	62	58	58	54	48	46	47	52	56	52	56	56	56	61	65	66	63	53	53	56	58	62	65	49	43	43	49	51	54	58	55	55.1
Mt. Lebanon.....	Maximum.....	87	90	84	81	74	81	83	76	82	81	83	76	79	79	90	89	77	78	83	87	79	81	75	69	70	77	81	80	83	77	78	80.3
.....	Minimum.....	66	70	67	65	58	56	64	65	65	62	59	61	65	66	63	67	65	56	55	58	67	65	68	52	42	49	55	64	67	64	56	61.0
Mt. Pocono.....	Maximum.....	80	77	77	70	75	69	65	68	62	72	74	74	70	75	78	74	70	72	75	81	80	84	74	65	70	70	71	76	65	75	79	73.1
.....	Minimum.....	60	57	60	46	40	44	45	54	54	60	51	58	61	64	64	61	60	48	52	62	60	65	65	48	34	40	45	45	58	55	50	53.9
Neshaminy Falls.....	Maximum.....	90	94	92	82	76	80	86	72	78	84	89	85	86	89	85	88	90	81	86	94	89	82	81	76	77	77	77	71	76	79	82.9	81.7
.....	Minimum.....	56	62	60	56	68	60	60	54	62	60	62	64	65	69	62	68	68	62	53	56	65	57	56	60	54	52	51	65	61	61	50	60.0
New Castle.....	Maximum.....	88	89	80	81	80	82	82	81	78	80	82	79	81	86	86	82	76	75	83	89	82	85	83	67	74	79	83	83	84	81	83	81.7
.....	Minimum.....	65	71	66	60	60	49	61	64	63	61	57	57	57	64	62	63	62	59	55	57	65	66	62	53	40	43	51	64	67	60	52	59.2
Newell ³	Maximum.....	87	91	86	83	77	83	84	82	83	81	81	79	79	86	87	88	73	78	88	86	79	83	71	66	76	78	83	77	82	78	83	81.2
.....	Minimum.....	71	72	72	66	65	62	67	65	69	62	67	69	70	70	67	71	68	63	62	62	70	70	62	63	54	53	66	67	72	64	64	65.6
Palmerton ³	Maximum.....	91	89	88	84	81	82	84	86	79	85	87	79	73	87	91	80	88	82	86	79	91	87	75	69	78	79	79	79	76	82	81.5	81.5
.....	Minimum.....	66	60	61	54	52	50	52	60	60	64	61	63	68	70	67	66	64	57	52	51	54	67	56	52	41	42	50	54	65	58	53	67.7
Philadelphia																																	
Airport Station ⁵	Maximum.....	92	90	90	82	74	79	83	69	78	86	87	78	83	88	89	88	85	81	85	85	88	90	86	73	72	77	77	79	72	75	78	81.9
.....	Minimum.....	71	72	70	64	61	59	64	62	61	67	66	68	70	73	74	70	69	65	63	62	73	72	64	55	51	51	55	54	66	59	55	64.2
City Office ³	Maximum.....	92	90	90	81	75	80	83	69	75	84	87	78	81	84	90	88	83	82	81	83	89	88	85	74	74	77	77	77	72	76	78	81.5
.....	Minimum.....	70	76	75	70	68	63	67	61	67	70	68	69	72	71	71	70	68	67	67	74	73	65	58	55	58	60	61	65	63	62	66.7	
Frauklin Institute ²	Maximum.....	92	91	88	81	76	89	83	70	76	86	87	78	82	88	91	87	85	82	85	85	90	87	74	72	75	78	78	73	75	78	79	82.2*
.....	Minimum.....	72	73	75	67	65	63	63	67	62	69	70	70	69	70	74	75	71	68	66	66	74	74	71	62	53	54	59	60	67	62	60	66.9
Shawmout.....	Maximum.....	90	91	88	87	81	73	81	81	75	86	87	85	82	87	91	93	85	82	85	85	87	89	90	80	76	76	78	77	76	78	78	83.5
.....	Minimum.....	70	68	73	60	58	57	61	63	62	64	64	69	69	70	72	73	70	66	61	60	70	69	72	60	49	49	52	52	66	60	55	63.4
Phoenixville.....	Maximum.....	94	95	94	93	84	81	88	85	78	89	92	89	85	90	95	94	88	85	89	91	92	94	95	92	89	88	83	81	77	81	81	88.1
.....	Minimum.....	71	66	71	57	55	53	57	63	68	62	67	70	71	72	73	70	64	57	57	57	69	69	72	62	42	44	49	52	62	58	54	61.8
Pittsburgh Arpt Sta. ³	Maximum.....	86	89	83	80	73	79	82	73	82	78	82	77	77	83	89	88	76	77	85	85	78	85	71	67	71	76	81	77	83	74	79	79.5
.....	Minimum.....	67	70	68	63	59	56	64	61	63	64	62	62	66	65	64	68	64	59	60	62	67	65	58	52	47	53	55	64	67	63	58	61.9
Pittsburgh City Office ³	Maximum.....	88	92	84	82	77	82	84	76	83	80	82	78	79	86	89	89	79	80	85	88	80	86	71	69	71	77	80	79	84	77	80	81.2
.....	Minimum.....	71	73	70	66	61	59	68	67	67	66	64	65	68	68	66	69	67	61	59	63	70	69	60	55	47	51	58	67	68	65	57	64.0
Port Clinton.....	Maximum.....	88	89	88	85	80	78	80	80	71	82	83	84	79	85	89	92	83	78	91	85	87	86	86	76	72	74	76	74	75	76	80	81.7
.....	Minimum.....	67	63	69	53	52	50	51	59	59	64	69	62	65	67	67	70	66	58	55	56	61	66	67	57	41	42	47	52	62	60	53	58.7
Pymatuning Dam ²	Maximum.....	86	85	78	79	77	77	76	77	80	77	77	80	78	83	86	75	76	80	82	86	83	86	70	64	70	77	80	76	79	80	80	78.8*
.....	Minimum.....	61	67	61	54	47	50	58	62	61	60	55	53	61	62	62	63	54	50	51	57	60	64	62	54	38	46	50	57	65	61	55	57.0*
Quakertown.....	Maximum.....	87	85	86	81	75	76	81	76	73	80	84	80	76	85	89	86	84	77	83	83	86	87	83	73	70	74	75	77	73	74	78	79.9
.....	Minimum.....	68	61	70	51	52	51	54	58	59	61	59	65	66	68	70	71	66	60	55	54	64	67	68	55	42	41	46	49	63	58	52	58.8
Reading ³	Maximum.....	91	89	89	80	76	80	83	63	73	85	86	79	79	88	92	86	84	82	85	86	88	89	82	71	75	77	77	73	76	76	80	81.5
.....	Minimum.....	72	70	70	62	60	57	61	61	65	65	68	70	71	75	70	66	64	62	62	62	69	72	63	54	49	49	54	56	60	56	53	63.2
Ridgway ²	Maximum.....	85	82	82	80	75	76	81	69	70	82	82	79	74	84	89	90	79	78	83	85	87	87	76	66	72	78	78	76	73	79	84	79.4
.....	Minimum.....	65	61	65	57	53	51	54	61	60	64	60	61	68	70	66	70	61	58	55	67	66	70	61	50	44	46	51	55	63	58	53	59.2
Seranton ³	Maximum.....	89	87	86	81	81	79	80	72	76	79	80	82	84	96	90	91	88	82	88	85	89	87	80	76	75	75	75	76	82	78	82	82.4
.....	Minimum.....	64	63	64	54	53	50	54	52	68	69	65	59	58	72	64	66	63	57	55	58	63	67	68	55	40	44	46	48	62	64	55	58.7
Sharon.....	Maximum.....	88	89	86	82	82	83	83	77	75	73	81	82	84	86	91	87	87	83	87	90	90	90	79	76	78	77	66	69	75	72	76	75.7
.....	Minimum.....	69	73	69	61	53	55	67	68	66	64	61	62	61	68	67	67	62	55	58	61	70	71	69	52	43	47	58	68	71	68	57	62.3
Somerset.....	Maximum.....	81	83	84	79	72	70	69	75	77	79	75	75	78	80	78	78	79	79	79	79	76	78	77	66	66	69	75	72	76	76	75	75.7
.....	Minimum.....	65	64	67	55	52	49	58	61	61	60	57	55	63	61	51	57	63	53	50	53	57	60	59	48	35	38	43	51	62	61	44	55.3
Springs.....	Maximum.....	81	84	79	74	64	75	71	65	77	75	78	73	77	79	82	82	71	75	79	80	75	78	71	61	64	69	73	74	77	67	70	74.2
.....	Minimum.....	65	63	59	53	52	53	56	59	60	57	51	56	61	54	62	57	59	53	50	49	57											

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER

HARRISBURG, PA.

Vol. XLVII.

SEPTEMBER, 1942

No. 9.

GENERAL SUMMARY.

The temperature average was, again, slightly below normal and the average daily excess, accumulated since January 1, fell off to 0.7°. In spite of the deficiency, the majority of stations recorded maxima, about the 15th, which were as high as or higher than the extremes had been in August and the extreme maximum for September equaled that obtained in August. Most stations, except a few in the south and east portions, experienced freezing temperatures toward the end of the month. The extreme minimum, 19° at Kane, established a new record for September. The previous record was 21°, which had stood since September 22, 1904 when it was recorded at both Saegerstown and Smethport. It had been equaled only twice since that time.

As a result of frequent, general rains, the precipitation average was above normal for the third successive month and the accumulated excess for the year was further increased to 2.10 inches. During the same period in 1941, the State's rainfall was deficient by 7.02 inches. Rain was heavy in several of the storms but heaviest amounts fell in the storm of the 26-27th which lasted approximately 24 hours. Reports of 4.00 inches of rain for this storm were common at stations on the upper Delaware, Lehigh, and Schuylkill Rivers, and at a number of points, amounts ranged to well over 6.00 inches. Streams rose rapidly under this excessive rainfall but crested, with a few exceptions, under flood stages. No damage was reported.

Thunderstorms were reported by most stations on various days. High winds damaged some property and vegetation at Hawley and Ephrata on the 27th. The first snow, since last April, fell on the 28th at many northern and mountain stations.

The growing season, just ended, was an abnormal one. Plentiful rain retarded spring planting and washed many fields. During the summer, vegetation flourished but the ground was too wet for cultivation and fungus growths did considerable damage to potatoes, corn, and tobacco. The frequent rains lodged many grain crops but were beneficial to fruits, helping them to attain good size. Yields were generally good but some loss in fields occurred as the harvest was delayed by wet ground and an increasing labor shortage.

G. W. S.

TEMPERATURE.

The average temperature for the State, as deduced from the reports of 75 stations, was 63.7°, which is 0.5° below the 55-

year normal for September. The highest monthly mean was 70.6° at Marcus Hook, and the lowest was 56.6° at Kane. Extremes ranged from a maximum of 96° at Phoenixville, Chester County, on the 16th, to a minimum of 19° at Kane, on the 30th.

PRECIPITATION.

The average precipitation for the State, as deduced from the observations at 191 stations, was 4.38 inches, which is 1.01 inches above the 55-year normal for September. The greatest monthly amount was 9.70 inches at Merwinsburg, Monroe County, while the least was 1.68 inches at the Philadelphia City Office of the Weather Bureau. The greatest amount in any 24 consecutive hours was 6.58 inches at Blakeslee Corners, Monroe County, a recording gage station, on the 26-27th. A trace of snow fell at a number of northern and mountain stations on the morning of the 28th.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation			No of days		
	Mean	Highest	Lowest	Average	Average Snowfall	0.1 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	59.6	84	29	4.84	.....	10	8	11	11
1889.....	61.9	92	30	5.05	.....	13	8	8	14
1890.....	62.2	91	25	4.57	.....	11	10	9	11
1891.....	66.6	94	32	2.39	.....	7	17	8	5
1892.....	62.4	90	29	2.81	.....	7	16	7	7
1893.....	61.2	90	26	2.67	.....	8	9	12	9
1894.....	66.6	95	24	6.30	.....	10	10	10	10
1895.....	67.8	100	24	1.71	.....	6	16	9	5
1896.....	63.6	98	26	4.82	.....	10	13	8	9
1897.....	63.8	100	24	2.18	.....	5	18	7	5
1898.....	66.0	100	25	1.70	.....	6	16	8	6
1899.....	61.8	93	23	4.70	.....	10	12	9	9
1900.....	68.4	100	27	1.77	.....	6	13	10	7
1901.....	63.6	95	29	3.39	.....	9	14	7	9
1902.....	62.7	99	28	4.66	.....	11	12	8	10
1903.....	63.2	94	27	2.09	.....	6	17	8	5
1904.....	63.7	95	21	3.37	.....	9	13	10	7
1905.....	64.0	95	27	3.41	.....	7	15	9	6
1906.....	67.0	99	30	2.46	.....	7	15	9	6
1907.....	64.8	95	29	6.37	.....	14	8	10	12
1908.....	65.0	99	26	1.60	.....	3	17	9	4
1909.....	62.8	96	26	2.27	.....	6	15	9	6
1910.....	65.5	95	32	4.49	.....	10	13	8	9
1911.....	64.9	92	26	5.29	.....	10	13	9	8
1912.....	65.5	95	25	5.57	.....	12	12	7	11
1913.....	62.4	97	24	3.28	.....	8	13	7	10
1914.....	61.5	98	21	0.99	.....	5	18	7	5
1915.....	66.5	96	25	2.56	.....	8	16	9	5
1916.....	62.5	98	23	3.77	.....	8	17	8	5
1917.....	59.0	91	25	2.31	.....	6	16	9	5
1918.....	58.7	88	28	3.97	.....	10	12	8	10
1919.....	64.4	96	28	2.07	.....	8	16	8	6
1920.....	64.5	91	24	3.99	.....	9	16	8	6
1921.....	68.9	98	31	4.68	.....	11	13	9	8
1922.....	66.3	100	22	1.48	.....	4	19	7	4
1923.....	64.8	92	22	3.55	.....	10	13	10	7
1924.....	59.8	99	26	6.44	.....	11	11	7	12
1925.....	67.5	99	24	2.80	.....	8	11	12	7
1926.....	64.2	99	26	5.81	.....	12	11	7	12
1927.....	64.9	97	27	2.08	.....	6	18	7	5
1928.....	60.4	94	25	2.33	.....	9	12	9	9
1929.....	65.7	101	24	3.71	.....	9	14	8	8
1930.....	67.8	101	27	2.45	.....	9	15	10	5
1931.....	69.1	104	29	3.15	.....	9	16	8	6
1932.....	65.2	105	23	1.45	.....	6	16	9	5
1933.....	66.3	98	32	4.66	.....	12	13	8	9
1934.....	66.4	94	31	6.58	.....	12	12	8	10
1935.....	62.2	95	24	3.51	.....	8	15	7	8
1936.....	66.5	96	28	2.17	.....	8	14	7	9
1937.....	61.5	97	25	1.90	.....	7	17	7	6
1938.....	62.0	95	26	4.74	.....	12	11	8	11
1939.....	65.9	101	27	2.95	.....	9	14	8	8
1940.....	61.4	95	21	3.41	.....	7	15	8	7
1941.....	66.0	98	24	1.33	.....	5	18	7	5
1942.....	63.7	96	19	4.38	T.	10	13	8	9
Period.....	64.2	105	19	3.37	.....	8	14	8	8

Climatological Data for September, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches				No. of days				Prevailing direction of wind	Observers	
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear	Pt. cloudy			Cloudy
Atlantic Drainage																				
Allentown	Lehigh	254	30	64.6	-0.4	92	15	33	29	4.35	+1.01	1.79	28	0	9	12	8	10	ne.	Allentown-Bethlehem Gas Co.
Altoona (near)	Blair	1,615	55	62.8	-0.3	91	15	28	29	3.75	+0.89	1.44	27	0	9	17	9	4	e.	City of Altoona.
Bedford	Bedford	1,120	10	63.8	-1.1	90	15	26	29	3.56	+0.59	1.40	27	0	8	11	6	13	sw.	Charles C. Lee.
Bethlehem	Northampton	364	56	65.4	-1.5	93	15	35	29†	5.12	+1.84	2.77	26-27	0	11	18	1	8	sw.	Lehigh University.
Bloomsburg (near)	Columbia	610	16	62.4	.....	90	15	26	29†	3.73	.....	1.38	27	0	6	12	8	10	nw.	Benjamin F. Conner.
Burnt Cabins (near)	Huntingdon	990	1	62.6	.....	93	15	26	29	2.23	.....	1.02	26	0	8	14	6	10	sw.	Penna. Turnpike Comm.
Carlisle	Cumberland	473	73	65.6	+0.1	91	15	30	29†	2.82	+0.10	1.83	27	0	10	18	5	7	sw.	Clarence E. Miller.
Chambersburg	Franklin	600	45	66.5	+0.2	93	15	31	29	3.07	+0.10	1.11	27	0	8	13	8	9	sw.	William B. Spear.
Coatesville	Chester	431	55	66.2	+0.1	91	15†	33	29†	3.26	-0.14	2.42	27	0	5	11	6	13	nw.	Howard L. Pyle.
Eagles Mere	Sullivan	2,020	1	57.7	.....	80	2†	30	29	5.67	.....	1.69	28	†	9	15	7	8	se.	Carl E. Bigger.
Emporium	Cameron	1,033	57	60.0	-1.5	88	14	29†	29	4.96	+1.48	1.27	9	0	11†	17	5	8	w.	E. M. Poorman.
Ephrata	Lancaster	365	45	66.8	+0.5	95	15	32	29	3.76	+0.39	3.17	26-27	0	7	16	2	12	ne.	Ira J. Keath.
Freeland	Luzerne	1,970	49	59.2	-0.9	84	15	30	29†	5.58	+1.73	2.66	28	0	10	13	0	17	s.	Andrew B. Evansha.
Gettysburg	Adams	553	69	66.8	+0.8	91	15	33	29	3.23	-0.36	2.20	27	0	10	15	8	7	s.	Dr. Henry Stewart.
Gordon	Schuylkill	900	33	62.3	-0.1	90	15	27	29	6.98	+2.95	4.73	26-27	0	8	18	3	9	s.	Miss Sallie M. Johnson.
Hanover	York	600	38	66.3	-1.4	92	15	34	29	2.77	-0.27	1.18	28	0	7	17	2	11	s.	Evening Sun.
Harrisburg Airport	York	351	73	66.6	+0.8	94	15	35	30	2.58	-0.47	1.59	26-27	0	11	10	9	11	w.	U. S. Weather Bureau.
Hawley	Wayne	900	24	61.7	+0.7	90	2†	28	23	8.36	+5.15	3.48	26-27	0	10	16	7	7	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	290	27	63.7	-0.4	91	15	39	29	2.80	+0.04	1.58	28	0	9	14	8	8	s.	Penna. Water & Power Co.
Huntingdon	Huntingdon	700	55	64.6	0	84	15	29	29	4.71	+1.62	1.83	15	0	8	9	13	8	w.	Prof. Paul R. Yoder.
Kylertown	Clearfield	1,700	13	59.6	-1.7	86	15	25	29	2.79	+0.15	1.15	8	T.	9	8	11	11	s.	U. S. Weather Bureau.
Lancaster	Lancaster	255	55	65.8	+0.3	90	15	31	29	3.30	-0.07	2.50	26-27	0	6	17	5	8	nw.	Lancaster Water Bureau.
Lawrenceville	Tioga	996	45	64.0	+2.3	91	15	30	29	3.47	+0.46	1.38	27	0	11	15	8	7	n.	Carlos P. Darling.
Lebanon	Lebanon	469	58	66.0	+0.3	94	15	31	29	5.08	+1.67	2.40	28	0	7	18	9	3	sw.	Lebanon Valley Gas Co.
Lewistown	Mifflin	467	4	70.5	.....	95	15	51†	6	4.23	.....	1.02	27	0	8	17	3	10	.....	Penna. Edison Co.
Lock Haven	Clinton	557	62	63.5	-1.4	92	15	30	29†	3.08	0.00	1.02	27	0	7	13	7	10	ne.	William R. Kelley.
Marcus Hook	Delaware	12	16	70.6	-0.1	95	3	40	29	1.92	-1.29	1.04	28	0	5	21	2	7	sw.	Sun Oil Co.
Montrose	Susquehanna	1,176	37	59.6	-0.9	87	15	29	29†	5.18	+1.42	1.53	9	0	12	16	5	9	nw.	Harry S. Fancher.
Mt. Pocono	Monroe	1,720	36	59.2	+0.9	86	3†	25	29	6.33	+1.89	4.10	26-27	0	9	15	2	13	nw.	Cecil J. Hoskinson.
Neshaminy Falls	Bucks	80	53	64.7	-0.7	91	17	31	30	3.55	-0.88	0.94	28	0	7	15	4	11	w.	Phila-Suburban Water Co.
Palmerton	Carbon	455	24	64.4	+0.5	93	3†	32	29†	8.89	+5.51	5.63	26-27	0	10	2	9	19	ne.	New Jersey Zinc Co.
Philadelphia City Office	Philadelphia	26	71	69.5	+1.5	93	17	43	29	1.68	-1.46	0.82	26-27	0	6	11	11	8	n.	U. S. Weather Bureau.
Phoenixville	Chester	100	32	69.0	+2.1	96	16	30	29†	2.97	-0.39	1.43	28	0	6	16	7	7	w.	Phila-Suburban Water Co.
Port Clinton	Schuylkill	407	4	64.2	-1.1	90	15†	30	29†	9.38	+5.33	5.73	26-27	0	6	21	0	9	s.	Earl E. Rarick.
Quakertown	Bucks	480	67	63.0	-0.9	88	15†	28	22†	4.49	-0.60	1.90	27	0	9	13	9	8	nw.	John E. Benner.
Reading	Berks	273	72	66.9	+0.3	93	15	35	30	3.98	+0.77	3.15	26-27	0	7	11	7	12	nw.	U. S. Weather Bureau.
Scranton	Lackawanna	746	48	63.6	+0.7	91	15	33	29	4.60	+1.43	2.15	27	0	7	9	13	8	n.	U. S. Weather Bureau.
Selinsgrove	Snyder	476	52	64.6	-0.3	91	15	29	29	2.76	-0.55	2.27	27	0	5	12	8	10	sw.	Dr. George E. Fisher.
State College	Centre	1,217	58	63.1	+0.3	88	15	30	29	3.83	+0.93	1.14	27	0	12	9	13	8	sw.	Penna. State College.
Stroudsburg	Monroe	440	28	63.2	+0.5	90	15	31	29	7.59	+4.11	1.96	28	0	10	15	8	7	w.	Metropolitan Edison Co.
Towanda	Bradford	754	48	63.0	-0.7	91	15	30	29	6.10	+2.81	3.23	26-27	0	10	11	11	8	ne.	Mrs. M. Ordella Parks.
Wellsboro	Tioga	1,319	72	59.6	-0.3	89	15	27	29	5.28	+2.33	1.49	15	0	12	10	14	6	w.	M. S. Bliss.
West Chester	Chester	410	93	66.9	+1.3	91	17	34	29	4.14	+0.62	2.55	26-27	0	8	14	8	8	n.	Clyde T. Saylor.
Wilkes-Barre	Luzerne	544	4	63.1	.....	92	15	31	29	3.41	-0.06	1.51	27	0	8	9	8	13	n.	U. S. Communication Sta.
Williamsport	Lycoming	1,550	56	65.1	+0.7	90	3†	31	29	4.33	+1.29	2.35	26-27	0	6	15	7	8	w.	John D. McEwen.
Williamstown	Dauphin	1,275	27	65.0	+0.3	92	16	32	29	5.34	+1.25	3.02	26-27	0	7	19	7	4	sw.	Susquehanna Collieries.
York	York	400	54	67.6	+1.3	94	15	31	29†	4.02	+0.99	3.20	26-27	0	10	16	8	6	e.	York Water Co.
Division mean				64.4	+0.2	95	16	25	29	4.34	+0.97	6.58	26-27	T.	8	14	7	9	sw.	
Ohio Drainage																				
Bradford	Mc Kean	1,680	1	59.0	.....	85	15	22	30	6.52	+2.53	1.15	20	T.	15	8	9	13	w.	City Water Dept.
Brookville	Jefferson	1,400	52	59.7	-0.8	88	15	26	29	4.16	+1.03	1.73	8	0	13	7	15	8	sw.	Civil Aeronautics Auth'y.
Butler	Butler	1,077	29	64.0	-0.2	90	16	24	29	3.61	+0.15	1.15	27	0	11	.....	.....	.....	.....	Butler Eagle.
Claysville	Washington	1,170	37	.....	.....	88	15	.....	.....	5.74	+2.50	2.16	18	0	9	11	12	7	s.	Walter B. Paget.
Coudersport	Potter	1,653	15	59.7	-0.6	88	2†	25	30	5.54	+2.45	1.31	27	T.	15	12	6	12	sw.	Philip R. Shaw.
Derry	Westmoreland	1,150	45	65.0	-0.5	90	15	26	29	3.31	+0.17	1.02	27	0	13	16	8	6	w.	Miss N. Dixie Wineman.
Ebensburg	Cambria	2,170	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miss Claire K. Oliver.
Edinboro	Erie	1,220	10	61.2	-0.4	87	15	25†	29	3.70	+0.48	0.78	27	0	13	8	15	7	nw.	Wallace J. Snyder.
Franklin	Venango	987	68	61.4	-1.3	89	16	29	29	4.90	+1.51	1.22	9	T.	14	11	11	8	n.	William K. Fuller.
Greensburg	Westmoreland	1,166	33	65.2	-0.3	90	15	28	29	4.35	+1.43	0.98	8	0	13	6	20	4	sw.	Westmoreland Water Co.
Grove City	Mercer	1,350	45	63.6	+0.2	88	16	28	29	3.96	+0.45	1.35	18	0	12	9	9	12	s.	Prof. H. W. Harmon.
Indiana	Indiana	1,300	41	63.8	-0.7	89	15†	26	29	4.28	+0.63	1.30	27	0	15	15	8	7	s.	Indiana State Teachers Col.
Johnstown	Cambria	1,650	60	63.0	-2.6	91	15	26	29	3.16	-0.08	1.26	27	0	12	19	7	4	s.	Robert Tross.
Kane	McKean	1,938	9	56.6	-2.5	85	16	19	30	6.18	+2.41	1.66	8	T.	14	11	9	10	sw.	U. S. Airway Station.
Meadville	Crawford	1,065	48	61.2	-0.9	88	15	28	29	3.22	-0.48	0.59	9	T.	14	9	13	8	sw.	City of Meadville.</

Stations	Counties	Day of month																																Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
ATLANTIC DRAINAGE																																			
Delaware Basin																																			
UPPER DELAWARE																																			
Dingmans Ferry ²	Pike								T.	1.29	.30		T.						T.	.60	.15	T.												6.19	
Hawley ²	Wayne			T.	T.				.02	1.96	.33		.01				.02		1.45	.05	.09	T.		T.										8.36	
Hollisterville ²	Wayne								T.	1.79	.31	T.					T.		.07	.35	.19			T.										5.60	
Matamoras ²	Pike				.24					1.05	.28		.09				.41	.66	.06		.07													5.83	
Mount Pocono	Monroe								.06	1.42	.08						.05		.40	.05	.17													6.23	
Paupack ²	Pike	*	*	*	.05	*	*	*	.08	1.62	.32		.01				.01		.45	.05	.21	.01												7.23	
Pleasant Mount	Wayne								2.01	1.58	.01						.04	.03	.04	.23	.20						.78	2.08						7.59	
Stroudsburg ²	Monroe									1.16	.18							.30	.04	.82	1.23	.07			.01									7.59	
Tanagers Falls ¹	Wayne			.35					1.37	1.26	.02							.05		.15							.32	2.10						5.77	
LEHIGH																																			
Allentown ²	Lehigh								T.	.70	.19		.01	T.					.27	.13	.17				.03									4.35	
Bethlehem ¹	Northampton								.28	.85	.02		.02	.01				T.	.69	.22	.16			.05			.47	2.35						5.12	
Blakeslee Corners	Monroe								.34	.70							.06		.29	.11	.05	.09					.80	5.80						8.24	
Gouldsboro ²	Wayne			T.					.03	1.03	.14			T.																					

Continued on page 60.

Daily Precipitation for September, 1942—Continued from page 59

Stations	Counties	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Susquehanna Basin (continued)																																		
JUNIATA																																		
Altoona (near).....	Blair.....				T.				.83	.27	.08								.19	.09		.59					.22	1.44					3.75	
Bedford ²	Bedford.....				T.				.10	.47	.50						T.		.30	.10	.36				T.			1.40	.33				3.56	
Breezewood Intch ³	Bedford.....				T.				.04	.26	.38						.07		.09	.25	.06	.07			T.			1.30	.72				3.24	
Buffalo Mills ²	Bedford.....								.81										.67	.16								1.34	.43				3.41	
Burnt Cabins (nr.) ³	Huntingdon.....								.04	.31	.09								.03	.06		.08					1.02	.60					2.23	
Charter Oak (nr.) ¹	Huntingdon.....							.50		.02	.42	.33				.04		.88		.04		.10						.57	.94				3.95	
East Waterford ²	Perry.....								T.	.02	.16	.25		T.					.07	T.	.05							.76	.44				1.75	
Huntingdon.....	Huntingdon.....				.04					.76	.28						1.83	T.	.10	.05	.25				T.			T.	1.40				4.71	
Lewistown ²	Mifflin.....									.60	.75						.50		.34	.34	.18							1.02	.50				4.23	
Loop Mt. Tower ²	Huntingdon.....								.02	.98	.01									.35	.15						.01		1.15	.60			3.27	
Mapleton Depot ²	Huntingdon.....									.56	.23	.04								.24	.07	.18					T.		1.49	.63			3.44	
Martinsburg ¹	Blair.....									.39	.04							.03		.10	.02	.11	.05					1.09	.63				2.46	
Newport ²	Perry.....									.11	.42	.24						.91		.13		.12				T.		1.20	.87				4.00	
Saxton ²	Bedford.....				T.					T.	1.23		T.	T.					T.	.04	.15	T.	.31	T.		T.	T.	1.67	.41				3.81	
Shade Gap ¹	Huntingdon.....									.08	.65	.07								.05	.05	.04	.16					.72	.52				2.34	
LWR SUSQUEHANNA																																		
Arendtsville ²	Adams.....									.11	.19	.26								.27	.10					.02		1.52	1.14				3.61	
Blossville.....	Cumberland.....									.20	.18	.03							.50	.16		.14			.02			.05	1.40				2.68	
Blue Mt. Intchg. ³	Franklin.....									.09	.30								T.	.13	T.	.07			.04			.16	1.23				2.02	
Carlisle.....	Cumberland.....									.17	.02	.21						T.		.09	.31	T.	.05		.10	.02		T.	1.83				2.82	
Ephrata.....	Lancaster.....									T.		.19	.05							.06	.10				.05			.14	3.17				3.76	
Glen Rock ¹	York.....									.10	.04	.11							.61	.07								.79	3.25				4.96	
Gordon.....	Schuylkill.....									.14	.70	.09	.01					1.16		.11		.04						.47					6.98	
Hanover.....	York.....									.10	.05	.15			.01				.60	T.				T.				.68	1.18				2.77	
Harrisburg Arpt. ¹	York.....								.02	.04	.36	.03	T.						.20	.27	T.	.05		.01				.54	1.05				2.58	
Holtwood ²	Lancaster.....									.04	.15	.01							.10	.15	.03	.01			T.			.75	1.58				2.80	
Huntsdale ²	Cumberland.....									.14	.09	.04								.32	.01	.08			.04			1.30	.90				2.92	
Lancaster.....	Lancaster.....								T.	T.	.07	.04	T.		T.					.09					.02			2.50	.58				3.30	
Lebanon ²	Lebanon.....									T.	.88	.12	T.							.43	T.	.04			.01				1.20	2.40				5.08
Manada Gap.....	Dauphin.....									.10	.39	.40	T.						T.	.19	.26				.02			.68	2.05				3.99	
Middletown ³	Dauphin.....									.02	.03	.03	.01	T.		T.				.36	T.	.04			.04			1.04	1.33				3.09	
Millersburg ¹	Dauphin.....									.57	.44	.02							.19	.36	T.	.04						.77	1.45				3.38	
New Park.....	York.....									.13		.42	.10							.02		.04			.05			.03	2.60				3.85	
Penn. Nursery ²	Centre.....			.04						*	.94	.09						.06		.31	T.	.03						.19	.91				4.34	
Peters Mt. Tower ²	Dauphin.....									.10	.52	.11		T.					.24	T.	.10			.02				1.36	1.26				3.71	
Pine Grove ²	Schuylkill.....										.91	.25		T.					.17		.34	.05	.96			T.		3.00	1.45				7.13	
Ringtown ²	Schuylkill.....									.06			.38							.06	.21				T.			2.20	1.35				5.16	
Selin-grove.....	Snyder.....			.01						.30	.09							.09										2.27					2.76	
Shippensburg.....	Cumberland.....									.23		.25							.01		.24				.09			.03	1.26				2.18	
Sunbury ²	Northumberland.....				.02					.05	1.20	.45						.03		T.	.05							1.40	.99				4.19	
Williamstown.....	Dauphin.....									.29	.47							.10		.11	.02			T.	T.			3.02	1.33				5.34	
Woodward ²	Centre.....			.07	.02					.04	.45	.68		T.				.01		T.	.12	.02						.95	1.74				4.10	
York.....	York.....									.02	.02	.24							.18	.30		.02			.02				3.17	.08				4.02
York Haven ²	York.....										.05	.02								.22	T.	.01			.03			.75	1.72				2.79	
Potomac Basin																																		
Chambersburg ²	Franklin.....									.14	.64	.07								.44	.02				.03			1.14	.59				3.07	
Gettysburg.....	Adams.....									.03	.17	.10	.16						T.	.29		.02			.07			0.2	2.20	.17			3.23	
Hewitt (near) ¹	Bedford.....									.09	.77								.76									1.12	.46				3.20	
Hyndman ²	Bedford.....									.10	.33								.40	.68	T.	.24			T.			1.66	.27				3.79	
McConnellsburg ²	Fulton.....									.11	*	.23							1.	.78	T.							1.20	.30				3.01	
Mercerburg.....	Franklin.....								*			.78							*	.29							*	1.18					3.25	
South Mt. San'tm ²	Franklin.....									.33	.23	.07	T.		.01					.23	.01				.01			1.00	1.15				3.04	
GULF DRAINAGE																																		
Ohio Basin																																		
ALLEGHENY																																		
Acmetonia ²	Allegheny.....			.17	T.					.16	.05			.17					.38		.52	.07	.79				.04		.72	.58			3.60	
Allens Mills ¹	Jefferson.....			.41						2.14	.02		.01			.01		.96	1.46		.15				.10			.85	.75				6.86	
Blairsville ²	Indiana.....			.56	.08					2.39	.12	.25	T.	.03				.54		.23	.21	.83			T.		.12		.99	.31			6.66	
Bradford.....	McKean.....			.12	.13					.95	.58	.88	.03		.13		.70	.40	.04			.15			.03	.27			.94	.13			6.52	
Brookville ⁵	Jefferson.....			.16	.03					1.73	.02	T.	T.	.02				.67	.06	.02	.08	.02			.08			.52	.75				4.16	
Buckstown ¹	Somerset.....			.02	.01					.40	.05	.08						.49	.21	.03	.04				.01	.01	.73	.58					2.66	
Cherry Grove ¹	Warren.....			.18	.16					1.43	.69			.06	.04	.02			.07		1.10	.10			.25		.21	.98					5.24	
Clarion ²	Clarion.....			.39						.66	1.57	.04	.01	.01	.08			.21	.07		.04	.67				.15		.75	.47				5.12	
Coudersport.....	Potter.....			.04	.44					.46	.92	.26	.02		.07		1.04	.11		.07	.03	.46			.15			1.31	.16				6.54	
Crooked Crk. Dam ¹	Armstrong.....			.10						.32	.04							.34		.27	.48	.01	.71			.05		.60	.71				2.87	
Derry.....	Westmoreland.....			.15						.16	.08	.06			.05			.66	.11	.15	.07	.61			.07			1.12	.02				3.81	
Dunlot.....	Cambria.....			.02						.60	.29	.12				.08		</																

Daily Precipitation for September, 1942—Continued from Page 60

Stations	Counties	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALLEGHENY (continued)																																		
Seward ²	Indiana.....					.11				2.86	.04			.04			.09	.02	.28	.57	.46					.04		.67	.43					5.61
Smithport ²	McKean.....			.13					.33	.89	.97	.05	T.	.02		.67	.15	.27		.09	.50							.70	.42	.04				5.23
Stroutstown ¹	Indiana.....			.13					.92	.27						.05	.09	.11	.06	.68	.56							.57	.51					4.03
Tionesta Dam ¹	Forest.....			.12	.31				1.22	1.31															.04			.69						4.61
Titusville ¹	Crawford.....																																	
Union City ¹	Erie.....			.20	.01				1.12	.32			.04			.56									.28		.04	.65						\$
Vaughtsgrift ³	Westmoreland.....			.05					.86				.05			.35	.05	.08	.07	.78					.02		.45	.86						113.62
Warren ²	Warren.....			.35					.57	1.76	.16	.03		.06		.60	.84	.02		.02	.69	.01			.05	.08	.17	.43	.53	T.				6.36
Youngsville ¹	Warren.....			*	.38				1.62	1.48	.01		.10		.70	.49	.11		.02	.61				.05	.04	.24		.23	.89					6.88
MONONGAHELA																																		
Confluence ²	Somerset.....				T.	T.				.52	.11	.86		.02				T.	.75	.08	.32	T.				.06		.65	.40					3.77
Connellsville ²	Fayette.....				T.	.14				.41	.02	.79		.04			.19		.52	.01	.65	.01				.08		.41	.65					3.82
Donora ¹	Washington.....			.04					.47	T.	.50		.12	T.		.19	.56	.46	.09	.16	.09					.05		.54	.85					4.12
Greensboro ²	Greene.....			.01	T.				1.74			.01		T.		.28		.89	.02	.35	T.					.02		.62	.59					4.53
Greensburg ²	Westmoreland.....			.07					.98	.05	.05	.55		.05		T.	.35	.23	.25	T.	.68				.06		.12	.91						4.35
Irwlu ¹	Westmoreland.....			.05					.77	.02	.01	.56				.40	.18	.06	T.	.57				T.		.02	.12	.36						4.60
Meyersdale ²	Somerset.....			.01	T.				.42	.40		.14				.30		.86	T.	.15	T.							.81	.84					3.43
Murrysville ¹	Westmoreland.....			.77	.10				.25	.34			.05			.60	.13	.14	.50	.01				.05		.55	.65							4.04
Newell ⁴	Fayette.....			.02					.82			.30				.44	.60	.30		.84				.03			.82	.18						4.35
Pittsburgh Arpt. ¹	Allegheny.....			T.	T.			T.	.32	.03	.51	T.	.09	.03		T.	.26	.32	.09	.52	.04			.02		.58	.59							3.40
Somerset ²	Somerset.....			.03					.47	.03	.06	.01		T.		T.	.38	.43	.33	.10				.02		.06	.93							2.80
Springs ²	Somerset.....			.02			.01		.41	.02	.27	.46		.03			.68	.41	.20	.25				.05		.32	.77							3.90
Unloutown ¹	Fayette.....			.11			T.	.93	.01	.06	.03			.06			.12	.32	.10	.28	.18			.06		.02	.84							3.12
Waynesburg ²	Greene.....			.20					.52	.06						1.16	.39	.42	.08	.03							.06	1.19						4.11
BEAVER																																		
Beaver Falls ²	Beaver.....			.02					.09	.35	.13			.22				.08		18.14				T.	T.		.30	.40						3.18
Butler ²	Butler.....			.05					.34	.24	.08	T.		.10			.04		.33	18.10				.10			1.15							3.61
Greenville ²	Mercer.....			*	.25				.52	.35	.14			.22			.91	.08	*	* 1.39				.47		.01	.63	.01						4.98
Grove City ²	Mercer.....			.20					.05	.18	.69	.01		.15		.16		1.35		.24	.02			.20			.71							3.96
Mercersburg ²	Mercer.....			.20	.08		.07	.94	.43		.03	.31			.23	.24		.21	.30	.03				.18		.17	.54	T.						3.96
New Castle ²	Lawrence.....			.09				.13	.25	.23			.02	.21		.02	.01	.17	.14	.60	.02			.15			.87							2.91
Penn Line ²	Crawford.....			.22				.23	.32	.02			.17				T.	.06	.20	.01				.25		.65	.19							2.32
Pymatuning Dam ²	Crawford.....	T.		T.	.38			.12	.69	.09	.02	T.	.26	T.			.01	.80	.03	.86	.02	T.		.01	.23	.01	T.	.57	.13	.01	.01			4.25
Sharou ²	Mercer.....			.15				.01	.14	.38		.42					.16	.81	.05	.40				.17			.62	.14						3.35
OHIO																																		
Claysville ²	Washington.....								1.09	.12	.16					.25		2.16		.84					.05		.84	.23						5.74
Coraopolis ²	Allegheny.....			.12					.13	.12				.06		.20		.25		.32				T.	.10		1.20	.24						2.74
Midland ²	Beaver.....			.02				.03	.31	.16		T.	.10				.23		.30				T.	.09		.40	.39							2.03
Mt. Lebanon ²	Allegheny.....			.17	.06			.37	.38	.25		.10				.25	.45	.20	.29	.22				.05		.44	1.06							4.29
Washington ¹	Washington.....							1.78	.07								.32	.88	.10	.09				.03		.76	.69							\$
LAKE DRAINAGE																																		
Erie ¹	Erie.....			.60	.01				2.33	.27			.12		.15	.02			T.	1.62	.06		.03		.33	.04		.84	T.					6.42
Raymond ¹	Potter.....			.11	.27				.25	1.33					.50	.31	.06							.10		.46	.80	.05						4.84

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ⁵ Precipitation for period, 1:30 a. m. of date on which amount is recorded to 1:30 a. m. following date. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. § Incomplete or missing. ‡ Daily amounts inconsistent. T. (trace), when precipitation is less than .01 inch. || Record partially estimated.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind**				Relative Humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Erie.....	30.05	30.55	29	29.57	27	7.5	20	w.	24	85	....	80	49
Harrisburg.....	30.06	30.59	29	29.62	27	6.2	29	s.	27	87	56	73	56
Kylertown.....	30.08	30.59	29	29.62	27	9.0	31	w.	24	93	57	78	
Philadelphia.....	30.06	30.58	29	29.59	27	10.4	40	s.	27	85	53	73	59
Pittsburgh.....	30.08	30.59	29	29.62	27	9.1	28	nw.	24	89	56	71	59
Reading.....	30.06	30.60	29	29.60	27	8.7	37	n.	27	84	52	52	64
Scranton.....	30.08	30.58	29	29.59	27	5.7	29	nw.	27	84	58	51	63

* For any five-minute period. † Local noon. ‡ 3:00 p. m. § 4:00 p. m.

RIVER CONDITIONS

Stations	Rivers	Mean Stage	Highest stage	Date	Lowest stage	Date	Flood Stage
Port Jervis, N. Y.....	Delaware.....	8.1	11.5	28	1.5	7	18
Easton.....	Delaware.....	3.2	19.2	28	1.1	8	22
Lehighton.....	Lehigh.....	3.3	9.7	27	2.6	26	9
Reading.....	Schuylkill.....	4.6	14.7	28	3.4	25	13
Wilkes-Barre.....	N. Br. Susquehanna.....	2.9	9.0	29	1.8	8	22
Williamsport.....	W. Br. Susquehanna.....	1.0	5.6	28	0.3	6	20
Newport.....	Juniata.....	3.5	4.7	30	3.2	26	22
Harrisburg.....	Susquehanna.....	3.4	4.6	30	3.2	8	17
Schenley, (nr.) Lock No. 5.	Allegheny.....	12.6	13.9	9	11.7	7	20
Sutersville.....	Youghiogheny.....	3.7	5.0	29	3.1	8	20
Charleoi(nr.), Lock No. 4	Monongahela.....	12.3	16.3	19	10.9	8	30
Pittsburgh.....	Ohio.....	*	*	.....	*	.....	30
Midland, Dam No. 7.....	Ohio.....	*	*	.....	*	.....	30

Daily Temperatures for September, 1942

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Allentown ²	Maximum...	83	88	88	75	79	75	77	72	66	82	73	72	81	81	92	90	89	77	78	76	73	72	69	78	68	73	76	62	58	63	76.2	
	Minimum...	50	52	59	63	54	51	57	58	64	61	60	60	51	58	62	65	66	68	58	48	43	44	49	38	40	47	44	33	34	53.1		
Altoona(near).....	Maximum...	80	80	86	78	78	76	68	71	87	82	75	81	79	84	91	87	81	79	87	78	68	71	66	62	64	62	63	53	56	63	74.5	
	Minimum...	48	55	61	63	44	48	58	62	66	65	60	58	54	47	63	65	63	65	64	54	35	39	41	46	30	42	46	35	28	30	51.2	
Arendtsville.....	Maximum...	82	89	90	86	78	77	73	73	88	82	77	80	84	85	92	91	88	84	88	80	70	73	65	73	68	65	75	57	60	64	77.9	
	Minimum...	53	58	64	64	54	55	63	63	68	66	60	61	60	53	62	64	65	68	66	68	45	42	48	45	37	42	53	39	33	33	55.1	
Bedford.....	Maximum...	79	84	85	83	76	76	72	82	88	84	80	78	77	87	90	87	83	84	88	76	65	69	69	63	68	64	66	52	56	62	75.6	
	Minimum...	50	55	60	61	53	54	62	64	68	63	57	60	52	47	60	64	61	67	66	57	41	36	44	39	30	50	49	38	26	30	52.1	
Bethlehem ³	Maximum...	80	86	88	73	78	74	76	71	66	83	73	73	84	83	93	91	90	75	75	74	71	72	71	76	67	67	74	56	58	65	75.4	
	Minimum...	50	56	67	62	56	54	65	62	62	61	63	61	58	52	64	70	67	69	68	52	48	45	51	52	40	45	48	41	35	35	55.3	
Bloomsburg(near)...	Maximum...	84	86	88	76	79	79	75	70	70	81	73	81	78	81	90	88	89	84	86	78	70	71	68	75	65	70	75	55	58	64	76.2	
	Minimum...	50	50	56	58	58	44	48	61	62	61	55	55	59	43	55	58	65	66	54	34	33	38	40	28	35	49	33	26	26	26	48.6	
Blue Mt. Interchange ³	Maximum...	84	88	90	84	80	82	74	70	83	84	77	80	82	86	92	91	88	82	88	89	68	76	74	72	70	66	74	56	60	64	78.5	
	Minimum...	52	60	62	60	52	52	62	62	62	60	66	62	61	56	52	66	66	62	71	70	68	40	40	46	46	38	41	50	36	32	54.4	
Bradford.....	Maximum...	81	81	80	70	72	71	74	74	81	61	69	76	71	80	85	84	81	81	80	77	73	63	63	64	62	57	69	62	50	56	65	72.0
	Minimum...	43	50	50	53	31	38	46	61	68	66	59	47	41	38	62	61	56	66	62	46	35	29	32	51	29	36	44	32	27	22	46.0	
Breezewood Intchg ³ ..	Maximum...	82	84	90	76	78	78	66	80	88	80	76	80	82	84	92	88	84	86	88	74	66	70	62	62	65	63	70	54	58	62	75.6	
	Minimum...	50	52	60	52	52	51	62	62	68	66	60	62	56	50	64	62	62	68	66	50	40	38	46	40	32	41	41	35	28	30	51.6	
Brookville ⁵	Maximum...	82	85	82	71	74	76	76	78	84	77	67	78	74	82	88	80	79	78	82	71	64	65	66	59	59	70	63	48	56	65	72.6	
	Minimum...	46	50	54	45	43	44	53	61	68	58	58	57	47	43	66	60	58	63	59	36	35	34	38	31	28	48	39	28	26	29	46.8	
Burnt Cabins(near) ⁵ .	Maximum...	82	90	90	74	80	77	66	74	91	83	74	80	81	84	93	90	89	82	90	73	67	73	64	66	67	68	70	54	59	62	76.4	
	Minimum...	48	54	58	57	48	48	61	63	66	62	55	60	50	45	62	58	60	66	60	51	38	31	41	37	28	44	31	31	25	27	48.8	
Butler.....	Maximum...	85	87	86	86	74	85	84	85	87	80	77	80	81	89	90	88	79	86	84	84	68	68	76	65	67	74	74	56	64	70	78.6	
	Minimum...	48	52	58	59	41	50	46	50	70	70	59	50	55	46	63	67	59	67	65	55	32	38	45	29	41	41	38	24	29	29	49.5 ^b	
Carlisle.....	Maximum...	81	87	89	83	78	77	75	72	78	83	78	78	81	84	91	90	84	84	85	82	70	73	69	71	68	70	75	60	55	65	77.4	
	Minimum...	52	52	65	62	54	53	62	63	68	65	59	61	63	50	60	63	63	69	68	62	42	40	46	49	34	40	50	42	30	30	53.9	
Chambersburg.....	Maximum...	84	89	91	80	80	81	70	75	92	83	79	81	85	86	93	99	86	91	78	72	74	65	71	68	66	72	58	60	65	78.5		
	Minimum...	52	58	64	65	54	53	64	63	66	61	61	64	64	51	63	64	65	67	68	61	44	39	45	47	36	41	51	42	31	32	54.5	
Claysville ²	Maximum...	82	81	84	68	75	81	80	82	86	79	73	78	78	86	88	84	73	84	82	61	65	66	69	61	62	73	50	52	58	69	73.7	
	Minimum...	50	61	68	65	59	59	56	63	72	62	73	72	61	61	62	62	64	69	70	54	48	43	49	51	41	43	52	43	33	34	55.8	
Coatesville.....	Maximum...	82	86	90	81	79	77	72	77	72	72	71	72	80	83	91	89	91	84	85	81	66	72	75	81	66	68	76	58	59	64	76.7	
	Minimum...	50	61	68	65	59	59	56	63	72	62	73	72	61	61	62	62	64	69	70	54	48	43	49	51	41	43	52	43	33	34	55.8	
Coudersport.....	Maximum...	85	88	80	75	77	80	78	69	84	75	70	79	77	84	88	85	83	85	84	77	69	68	67	60	58	68	67	50	61	67	74.6	
	Minimum...	48	46	49	51	40	38	40	57	60	60	53	49	43	40	60	59	52	60	61	48	31	30	35	46	26	36	44	32	26	25	44.8	
Derry.....	Maximum...	87	86	85	83	75	81	82	82	89	88	75	78	78	87	90	87	84	86	86	77	66	69	71	65	64	71	65	54	64	71	77.5	
	Minimum...	48	57	61	62	46	48	64	65	64	68	61	51	60	46	62	64	63	69	70	56	36	37	42	46	35	45	48	35	26	32	52.4	
Eagles Mere.....	Maximum...	77	80	79	62	72	67	60	65	64	73	60	65	70	71	80	78	78	76	75	63	58	60	59	58	68	67	47	49	53	66.4		
	Minimum...	55	56	56	54	48	46	47	55	58	58	56	53	50	50	51	62	62	62	63	38	38	39	42	33	33	49	32	30	31	31	49.0	
Ebensburg ²	Maximum...	83	83	73	68	73	76	80	76	84	74	78	80	75	85	87	83	82	78	82	76	63	69	69	58	58	77	66	48	56	65	73.5	
	Minimum...	48	50	55	56	43	43	49	63	67	66	67	46	48	46	56	59	69	68	46	35	35	43	43	36	42	44	34	25	33	38	48.8 ^a	
Emporium ²	Maximum...	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	72.6 ^a
	Minimum...	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	47.8 ^a	
Ephrata.....	Maximum...	85	91	90	83	80	77	72	78	73	86	76	78	86	85	95	92	92	84	87	78	74	75	67	78	70	67	76	59	62	67	78.8	
	Minimum...	51	57	64	64	56	51	60	64	66	63	60	61	64	61	67	64	70	72	61	45	41	45	49	36	43	52	42	32	33	33	54.9	
Erie ³	Maximum...	82	80	73	68	73	68	83	78	85	73	73	79	72	86	85	80	82	86	64	61	65	66	61	54	77	64	51	59	70	72	72.9	
	Minimum...	62	63	61	59	57	52	62	66	71	67	62	57	55	57	73	72	70	71	64	51	47	50	48	48	43	49	46	43	40	45	57.0	
Franklin ²	Maximum...	81	85	78	72	76	78	78	85	78	85	78	78	76	84	89	85	80	82	57	68	66	67	58	60	74	54	52	58	66	73	73.8	
	Minimum...	53	53	51	58	45	46	52	56	65	69	62	51	51	47	48	66	61	62	64	56	39	36	37	42	44	35	45	36	29	30	49.4	
Freeland.....	Maximum...	80	81	81	78	73	70	67	70	67	81	71	65	68	76	84	80	77	79	73	72	55	66	66	65	58	68	66	55	54	54	70.2	
	Minimum...	47	49	51	53	51	48	49	61	51	51	52	60	56	50	50	51	51	62	62	48	38	39	43	44	36	36	47	36	30	30	48.1	
Gettysburg.....	Maximum...</																																

Daily Temperatures for September, 1942 Continued from page 62

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Midland	85	86	85	77	77	81	82	81	89	81	77	81	79	86	89	89	81	85	81	78	61	69	70	65	60	77	67	59	57	64	76.7	
Montrose ²	84	86	79	65	73	69	69	61	78	62	67	71	57	67	87	81	85	77	80	61	62	68	64	65	61	67	69	59	55	60	70.0	
Mt. Lebanon	55	57	57	55	49	45	45	32	60	57	56	56	52	49	49	61	63	63	65	39	37	37	39	41	37	36	46	37	29	29	49.1	
Mt. Pocono	61	57	63	60	46	54	60	66	68	66	60	51	59	72	68	65	69	68	69	50	38	49	41	42	34	56	42	31	27	33	53.0	
Neshaminy Falls	80	86	88	72	78	80	80	87	88	83	75	80	78	88	91	87	75	86	86	79	65	69	71	60	65	74	62	53	58	69	76.2	
New Castle	52	58	59	56	52	52	51	61	62	60	59	58	56	51	59	62	62	61	61	49	48	47	43	42	40	42	42	40	33	31	51.6	
Newell ³	83	88	88	81	73	80	81	84	91	91	87	80	76	87	91	90	82	85	81	83	67	67	71	71	60	76	56	59	70	70	78.5	
Palmerton ⁴	50	53	58	59	42	50	56	65	70	68	60	53	52	50	64	68	68	68	68	50	39	12	15	32	42	46	35	28	32	32	62.0	
Philadelphia	84	84	84	74	76	83	82	85	80	71	78	79	86	89	87	77	85	83	81	64	68	86	63	72	60	49	58	69	69	69	75.6	
Airport Station ⁵	57	63	66	66	58	60	62	76	76	72	67	61	62	63	71	71	73	76	76	58	45	4	18	42	37	16	46	37	35	35	58.3	
City Office ³	87	91	93	71	82	76	76	69	65	82	72	71	83	84	93	92	91	78	78	74	72	7	73	77	71	68	75	68	61	65	76.9	
Franklin Institute	48	51	60	55	52	18	55	63	62	61	59	61	53	48	60	65	63	70	69	50	44	48	42	15	35	42	46	39	32	32	51.9	
Shawmont	81	86	89	87	79	78	75	78	76	86	79	72	83	83	90	90	92	88	86	72	74	75	80	76	69	80	78	61	65	79.9		
Phoenixville	51	58	66	66	59	55	57	65	67	63	62	54	62	63	66	71	72	70	71	82	70	51	47	49	55	42	67	45	35	36	57.5	
Pittsburgh Arpt Sta. ³	85	90	95	92	85	80	79	81	90	81	81	88	88	94	96	95	90	87	88	85	74	80	81	72	61	81	71	60	70	70	83.7	
Pittsburgh City Office ³	18	55	63	64	51	51	54	65	67	63	58	63	62	48	58	61	63	69	72	71	50	53	39	48	35	49	66	41	30	30	54.3	
Port Clinton	81	83	85	70	76	80	80	82	85	79	73	78	81	86	89	85	75	84	83	72	64	66	70	59	62	72	62	51	60	68	74.7	
Pymatuning Dam ²	57	61	64	58	52	67	62	67	65	60	56	62	65	69	64	67	68	69	47	44	41	49	44	39	50	44	34	35	39	51.8		
Quakertown	83	85	89	73	79	81	80	85	87	81	75	80	80	87	91	87	79	87	89	73	67	70	73	50	44	46	47	48	41	55	70.0	
Reading ³	56	62	66	61	52	56	63	68	70	68	62	57	61	56	73	67	70	73	50	44	46	47	48	41	55	45	38	33	37	56.5		
Ridgway ²	80	85	87	77	77	74	72	70	84	76	71	79	79	90	90	89	86	80	80	67	69	70	75	66	75	66	75	55	56	61	75.9	
Seranton ³	47	52	60	62	51	48	57	62	64	57	58	60	60	47	58	64	60	67	69	63	55	36	45	53	33	39	54	41	30	30	52.4	
Selingsgrove	81	85	72	69	75	77	81	79	85	77	71	80	73	85	88	83	79	83	84	55	65	65	66	57	58	77	53	50	57	67	72.6	
Sharon	50	54	56	57	43	47	52	61	65	66	62	48	41	50	55	67	63	65	65	54	36	38	39	42	32	39	48	34	27	31	49.6	
Somerset	80	84	87	81	76	72	76	74	72	80	76	74	78	78	88	86	88	81	77	77	66	69	69	77	67	63	75	66	55	61	74.8	
State College ³	44	51	60	59	49	48	51	61	60	67	60	46	56	62	60	68	66	58	45	38	41	46	34	29	52	41	28	28	27	51.3		
Stroudsburg ²	83	87	90	78	78	75	71	73	70	83	76	75	82	83	91	91	83	85	77	72	73	68	79	67	68	78	57	59	64	77.1		
Towanda	54	61	69	65	59	57	60	64	63	62	63	62	60	55	64	70	68	70	68	70	53	49	46	50	52	42	46	50	43	37	56.7	
Uniontown	83	85	84	73	76	77	74	76	85	76	67	78	75	83	88	84	82	80	81	61	67	67	68	59	60	74	63	51	68	67	73.8	
Vandergrift ³	49	48	48	52	43	46	54	63	61	59	56	45	43	43	61	58	58	60	56	34	35	34	38	26	26	47	20	27	27	45.8		
Warren	87	87	85	68	77	74	75	67	66	81	77	71	75	79	91	89	87	81	84	75	66	71	71	73	65	68	76	51	57	64	74.3	
Waynesburg	55	55	62	55	52	49	51	61	63	63	61	60	57	49	61	66	64	70	69	49	43	39	49	48	37	47	45	38	33	33	53.0	
Wellsboro ²	82	86	89	86	80	77	73	80	82	79	78	84	81	91	88	87	81	83	89	70	70	70	70	66	68	74	66	60	62	72	77.4	
West Chester	51	53	60	62	47	49	59	69	64	59	59	56	60	47	61	61	63	65	64	59	42	35	43	50	31	38	46	38	29	31	51.9	
Wilkes-Barre ⁵	87	92	92	79	80	84	86	85	83	78	78	87	87	90	95	92	86	88	88	82	68	68	73	73	63	81	78	53	62	72	80.2	
Williamstown	65	58	65	54	48	55	61	70	72	67	61	56	56	53	76	70	67	72	72	51	43	29	45	43	35	47	37	29	33	32	54.6	
York	76	76	73	73	71	68	77	83	81	68	74	76	80	80	84	78	78	77	75	61	61	61	60	62	62	57	47	46	54	63	70.3	
	42	50	54	59	46	43	56	59	66	59	58	46	58	45	59	63	56	65	63	54	35	32	40	42	27	45	44	36	22	27	48.2	
	75	79	78	67	72	70	64	78	81	73	68	72	74	80	85	80	70	78	82	72	62	63	60	58	62	60	63	47	54	63	69.7	
	13	51	53	54	51	43	54	58	65	62	56	46	59	46	59	56	61	61	50	34	31	39	41	28	39	41	30	22	27	47.4		
	81	84	85	70	77	75	69	72	83	80	71	76	78	82	88	85	87	79	85	74	67	68	65	61	64	63	66	52	58	62	73.6	
	51	57	63	56	49	53	63	63	68	61	61	59	56	49	68	65	64	65	64	47	40	39	41	43	36	51	43	35	30	34	52.6	
	80	81	89	80	76	79	78	69	65	81	74	77	80	82	90	89	89	75	73	73	74	71	77	69	72	75	58	60	64	76.1		
	48	56	48	56	62	49	48	53	62	60	55	60	57	46	50	58	63	68	63	48	35	42	41	45	32	35	42	39	41	62	50.3	
	90	90	82	72	80	74	74	68	67	83	71	74	77	83	91	87	88	85	87	77	67	73	70	68	66	74	71	56	58	66	75.6	
	52	49	53	55	49	45	47	63	63	60	59	54	46	60	63	62	68	67	49	37	35	41	51	30	30	49	40	30	31	50.3		
	81	82	83	81	72	80	80	81	85	83	72	77	77	84	87	85	79	82	84	78	62	67	69	67	62	74	64	52	59	68	75.2	
	54	60	62	63	52	53	62	65	70	68	63	53	62	55	72	63	66	69	71	58	40	49	47	45	36	51	48	36	30	35	55.0	
	88	87	90	71	75	83	85	83	89	83	75	84	80	88	92	88	74	87	88	76	72	69	73	63	63	77	65	56	52	72	77.9	
	51	56	62	58	48	56	49	59	61	71	64	50	58	52	67	68	60	66	50	35	40	39	38	29	39	39	32	25	34	50.7		
	85	88	72	72	76	79	79	74	85	76	71	80	76	85	89	85	82	77	84	75	67	67	68	59	64	73	62	51	61	69	74.4	
	50	52	56	57	43	46	56	62	67	66	59	53	49	45																		

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER

HARRISBURG, PA.

VOL. XLVII.

OCTOBER, 1942.

No. 10.

GENERAL SUMMARY.

In contrast to the two preceding months when deficiencies were recorded, temperatures averaged above normal in October. The surplus was enough to hold the average daily excess, accumulated during the year, to 0.7°. Except at a few scattered points, mean temperatures were above station normals, but maxima were generally low, rarely rising above the low 80's. All stations, except those in the extreme southeast, had experienced freezing temperatures by the end of the month.

Precipitation was well above normal, for the fourth consecutive month, and the accumulated excess for the year rose to 3.38 inches. Only light amounts were reported during the first half of the month, but rain was more frequent and heavy during the latter half. The storm of the 14-18th produced greatest 24-hour amounts at most stations, highest amounts being reported by observers in the south-central portion. Streams rose rapidly but crested at stages which caused no damage. At Bedford, cellars of 35 houses were flooded and water covered highways in the vicinity. Depths were not great enough to block traffic, except on one road.

At a number of eastern stations, greatest 24-hour amounts were recorded on the 26th. Snow was general north and west of the mountains about the 26th. Amounts were light, being measurable at only a few northern and mountain points.

Thunderstorms occurred on various dates throughout the month. Most general were those of the 5th, in the eastern part, and those of the 21st, in the western portion. Hail fell in some of these storms at scattered stations. Sleet was observed at a few points on the 26th.

G. W. S.

TEMPERATURE.

The mean temperature for the State, as determined from the reports of 75 stations, was 53.9°, which is 1.3° above the 55-year normal for October. The highest monthly mean was 59.5° at Marcus Hook, Delaware County, and the lowest was 46.6° at Freeland, Luzerne County. Extremes ranged from a maximum of 88° at Phoenixville, Chester County, on the 9th, to a minimum of 15° at Kane, McKean County, on the 27th, and at Springs, Somerset County, on the 28th.

PRECIPITATION.

The average precipitation for the State, as determined from the observations at 191 stations, was 4.51 inches, which is 1.28 inches above the 55-year normal for October. The greatest monthly amount was 8.85 inches at Glencoe, Somerset County, while the least, 2.59 inches, was recorded at Conchohocken, Montgomery County. The greatest amount recorded in any 24 consecutive hours was 3.90 inches at Glencoe, Somerset County, on the 14th and 15th.

The average snowfall for the State was 0.1 inch, which is 0.1 inch below the 55-year average for the month. The greatest monthly snowfall was 3.5 inches at Kellogg Mountain Tower, Bradford County. This was also the greatest 24-hour snowfall, occurring on the 26th.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation			No of days.		
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	46.3	74	19	4.02	T	16	9	6	16
1889.....	47.3	83	13	3.85	0.2	10	8	9	14
1890.....	50.9	81	21	5.87	0.3	15	6	8	17
1891.....	50.6	91	15	3.06	T	8	11	9	11
1892.....	50.8	83	16	0.72	T	6	13	11	7
1893.....	53.0	91	17	3.26	T	8	14	8	9
1894.....	53.6	88	24	4.26	T	9	12	8	11
1895.....	47.3	76	17	1.99	0.3	5	17	8	6
1896.....	48.9	86	18	3.19	T	9	11	8	12
1897.....	54.2	95	16	1.32	T	5	14	8	9
1898.....	53.8	92	20	5.20	T	12	11	7	13
1899.....	54.6	94	15	1.55	0	6	13	8	10
1900.....	58.6	95	19	2.74	0	8	11	9	11
1901.....	52.2	83	20	1.23	T	5	16	10	5
1902.....	53.1	89	19	4.64	0.1	9	12	9	10
1903.....	53.4	91	20	4.64	0.1	9	12	8	11
1904.....	50.6	91	12	2.87	T	7	15	8	8
1905.....	53.2	90	16	4.23	T	9	14	7	10
1906.....	52.0	87	14	4.46	1.1	14	7	7	17
1907.....	48.2	87	13	3.16	T	7	16	8	7
1908.....	54.6	93	19	1.95	T	6	16	7	8
1909.....	48.4	87	15	2.27	T	7	13	7	11
1910.....	55.6	91	14	1.91	0.5	7	16	8	7
1911.....	52.3	83	18	4.83	T	11	11	7	13
1912.....	54.2	90	23	2.74	T	7	15	7	9
1913.....	54.9	88	16	5.44	0.2	13	10	6	15
1914.....	56.4	91	11	2.35	T	9	11	9	11
1915.....	54.2	85	17	2.65	T	8	15	7	9
1916.....	52.1	92	16	2.25	T	6	18	7	6
1917.....	47.2	84	12	6.38	1.7	13	10	10	11
1918.....	55.5	85	19	3.17	0	10	15	8	8
1919.....	57.5	92	21	4.77	0	17	9	8	14
1920.....	57.5	88	22	1.67	T	5	19	7	5
1921.....	52.6	84	18	2.16	0	8	17	7	7
1922.....	54.8	94	12	2.51	T	7	18	6	7
1923.....	51.0	87	12	2.38	T	6	15	8	8
1924.....	52.9	87	14	0.28	0	2	21	7	8
1925.....	46.1	83	9	4.83	3.8	15	6	8	17
1926.....	51.9	90	16	4.51	0.2	14	10	9	12
1927.....	55.6	99	21	6.40	0.1	9	17	5	9
1928.....	55.1	91	15	1.78	0.1	8	14	8	9
1929.....	50.6	85	14	5.59	T	9	12	8	11
1930.....	50.8	93	9	0.99	0.2	6	15	7	9
1931.....	55.7	93	20	1.83	T	9	15	8	8
1932.....	53.8	86	20	5.31	T	11	10	7	14
1933.....	51.6	90	11	1.91	T	8	16	9	6
1934.....	51.8	84	11	1.46	0.6	6	17	7	7
1935.....	53.0	89	16	2.77	T	9	16	8	7
1936.....	54.0	87	11	3.69	T	11	13	6	12
1937.....	50.6	89	12	5.84	0.1	14	8	8	15
1938.....	54.5	91	16	1.81	T	6	18	6	7
1939.....	53.6	92	15	3.88	T	11	13	7	11
1940.....	50.0	85	10	2.03	1.1	8	12	8	11
1941.....	57.0	100	19	2.77	T	13	9	9	18
1942.....	58.9	88	15	4.51	0.1	12	18	7	11
Period	52.6	100	9	3.23	0.2	9	13	8	10

Climatological Data for October, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.					Precipitation, in inches					No. of days			Prevailing direction of wind	Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear			Pt. cloudy	Cloudy
Atlantic Drainage																				
Allentown	Lehigh	254	30	54.4	+1.5	80	9	29	28	3.22	-0.83	1.41	27	0	12	13	7	11	ne.	Allent'n-Bethlehem Gas Co.
Altoona(near)	Blair	1,615	55	53.5	+1.4	75	1†	22	27†	4.29	+1.10	1.71	15	0	12	16	7	8	e.	City of Altoona.
Bedford	Bedford	1,120	10	55.0	+1.5	80	9	23	28	5.82	+2.88	1.95	15	0	10	14	4	13	sw.	Charles C. Lee.
Bethlehem	Northampton	364	56	55.8	0.0	80	9	31	28	3.49	+0.14	1.46	26	0	9	19	0	12	sw.	Lehigh University.
Bloomsburg(near)	Columbia	610	16	52.0	.....	76	9	20	28	3.51	.....	1.30	27	0	11	13	6	12	nw.	Benjamin F. Conner.
Burnt Cabins(near)	Huntingdon	990	1	53.4	.....	82	9	20	28	5.23	.....	2.00	15	0	11	15	3	13	se.	Penna. Turnpike Comm.
Carlisle	Cumberland	473	73	56.0	+3.0	82	9	25	28	5.80	+2.41	1.30	14	0	12	16	2	13	ne.	Clarence E. Miller.
Chambersburg	Franklin	600	45	55.4	+2.1	81	9	28	28	6.28	+3.21	1.96	15	0	12	14	6	11	ne.	William B. Spear.
Coatesville	Chester	431	55	55.6	+1.6	81	9	30	28	1.69	+1.33	1.76	26	0	11	11	7	13	s.	Howard L. Pyle.
Eagles Mere	Sullivan	2,020	1	48.0	.....	68	16	21	27†	5.16	.....	1.41	27	1.0	11	13	12	6	ne.	Carl E. Bigger.
Emporium	Cameron	1,033	57	50.4	+0.3	77†	8	20†	27	3.66	+0.43	0.86	15	0	9	16*	2	13*	w.	E. M. Poorman.
Ephrata	Lancaster	965	45	56.1	+1.3	84	9	27	28	4.38	+1.28	1.81	26	0	11	17	2	12	n.	Ira J. Keath.
Freeland	Luzerne	1,970	49	46.6	-1.1	71	9	21	31	4.49	+0.20	1.53	27	0	12	7	6	18	sw.	Andrew B. Evansha.
Gettysburg	Adams	553	69	56.6	+3.1	82	9	29	28	6.20	+2.80	2.50	16	0	11	16	5	10	sw.	Dr. Henry Stewart.
Gordon	Schuylkill	900	38	52.6	+1.9	80	9	21	28	4.42	+0.10	1.57	26	0	12	16	4	11	s.	Miss Sallie M. Johnson.
Hanover	York	600	38	56.0	+0.2	82	9	29	27	5.98	+3.04	1.68	16	0	12	14	5	12	s.	Evening Sun.
Harrisburg Airport	York	351	73	57.0	+2.2	83	9	29	28	4.40	+1.47	1.92	15-16	0	9	9	8	14	se.	U. S. Weather Bureau.
Hawley	Wayne	900	24	50.8	+1.5	77	9	26	29	5.06	+1.70	1.51	27	T.	11	18	4	9	w.	Mrs. Della M. Pennell.
Holtwood	Lancaster	200	27	57.8	+1.4	81	9	34	28	4.80	+1.99	1.33	16	0	12	15	4	12	s.	Penna. Water & Power Co.
Huntingdon	Huntingdon	700	55	54.8	+2.1	81	9	24	28	3.43	+0.36	1.20	15	0	11	9	5	17	nw.	Prof. Paul R. Yoder.
Kylertown	Clearfield	1,700	13	51.6	+1.9	75	8	24	27	3.76	+1.02	1.07	14	T.	12	6	11	14	w.	U. S. Weather Bureau.
Lancaster	Lancaster	255	55	55.3	+1.8	80	9	25	28	5.14	+2.05	1.66	26	0	12	16	5	10	sw.	Lancaster Water Bureau.
Lawrenceville	Tioga	996	45	54.1	+3.6	77	8	28	27	3.31	+0.48	0.95	26	T.	10	14	8	9	n.	Carlos P. Darling.
Lebanon	Lebanon	469	58	54.8	+1.1	83	9	26	28	5.41	+2.02	1.38	17	0	11	20	3	8	sw.	Lebanon Valley Gas Co.
Lewistown	Mifflin	467	4	57.2	.....	83	9	31†	28	4.71	.....	1.22	15	0	11	13	6	12	.....	Penna. Edison Co.
Lock Haven	Clinton	557	52	53.2	-0.3	78	9	27	27	3.45	+0.32	0.73	17	0	10	17	4	10	w.	William R. Kelley.
Marcus Hook	Delaware	12	16	59.5	0.0	81	9	36	27†	4.28	+1.91	1.71	16	0	10	21	0	10	ne.	Sun Oil Co.
Montrose	Susquehanna	1,176	37	49.5	+0.4	70	8	24	28	4.47	+0.91	1.31	27	1.0	13	14	5	12	sw.	Harry S. Fancher.
Mt. Pocono	Monroe	1,720	36	49.8	+1.7	82	9	20	27	6.68	+2.00	1.65	26	0.5	13	16	4	11	w.	Cecil J. Hoskinson.
Neshaminy Falls	Bucks	80	53	56.0	+2.2	83	9	28	28	3.79	-0.23	1.13	17	0	10	17	4	10	w.	Phila.-Suburban Water Co.
Palmerston	Carbon	455	24	54.2	+2.3	83	9	28	28	4.17	+0.78	2.05	26	0	9	0	12	19	ne.	New Jersey Zinc Co.
Philadelphia City Office	Philadelphia	26	71	59.0	+1.2	82	9	36	27	3.40	+0.59	0.96	26	0	9	10	8	13	ne.	U. S. Weather Bureau.
Phoenixville	Chester	100	32	58.1	+3.2	88	9	26	28	3.60	-0.02	1.16	27	0	10	15	5	11	w.	Phila.-Suburban Water Co.
Port Clinton	Schuylkill	407	4	54.4	+1.9	80	9†	24	28	4.93	+0.96	2.10	26	0	12	21	1	9	.....	Earl E. Rarick.
Quakertown	Bucks	450	57	52.3	+0.1	78	9	27	28†	3.39	+0.53	1.03	26	0	12	15	7	9	nw.	John E. Benner.
Reading	Berks	273	72	57.2	+1.7	82	9	32	28	3.22	+0.10	1.56	26	0	10	11	7	13	e.	U. S. Weather Bureau.
Scranton	Lackawanna	746	48	54.2	+2.4	74	8	32	27	4.56	+1.53	1.56	26	T.	9	9	10	12	n.	U. S. Weather Bureau.
Selinsgrove	Snyder	476	52	51.7	+1.8	79	9	25	28	4.51	+0.94	1.22	26	0	12	17	4	10	sw.	Dr. George E. Fisher.
State College	Centre	1,217	58	54.3	+3.0	77	9	27	27	3.51	+0.49	1.12	14	0	11	10	13	8	sw.	Penna. State College.
Stroudsburg	Monroe	440	28	52.0	+0.1	81	9	24	28	4.97	+1.23	1.87	27	0	9	15	6	10	w.	Metropolitan Edison Co.
Towanda	Bradford	754	48	53.4	+2.6	75	5†	28	27†	3.84	+0.93	1.44	26	T.	13	12	11	8	e.	Mrs. M. Ordella Parks.
Wellsboro	Tioga	1,819	72	49.7	+0.8	76	8	23	29	2.69	-0.34	0.52	16	0	13	12	13	6	s.	M. S. Bliss.
West Chester	Chester	410	93	56.2	+1.6	83	9	29	28	3.64	+0.02	1.15	26	0	10	20	0	11	e.	Clyde T. Saylor.
Wilkes-Barre	Luzerne	544	4	53.4	.....	75	8†	26	28	4.60	+1.50	1.67	26	0	10	7	14	10	ne.	U. S. Communication Sta.
Williamsport	Lycoming	550	56	55.3	+2.7	75	8†	27	28	3.84	+0.62	1.20	27	0	12	17	7	7	sw.	John D. McEwen.
Williamstown	Dauphin	1,275	27	54.9	+1.5	79	9†	27	27	4.34	+0.63	1.37	26	0	11	21	4	6	se.	Susquehanna Collieries.
York	York	400	54	57.1	+3.0	86	9	27	28	6.56	+3.52	2.12	16	0	14	16	3	12	ne.	York Water Co.
Division mean				54.3	+1.6	88	9	19	28	4.44	+1.13	3.90	14-15	0.1	11	14	6	11	sw.	
Ohio Drainage																				
Bradford	McKean	1,680	1	50.2	.....	74	8	24	27	3.71	+0.40	0.82	15	T.	13	7	14	10	n.	City Water Dept.
Brookville	Jefferson	1,400	52	50.4	+1.2	73	8†	24	27†	4.92	+1.65	1.16	14	.....	14	9	10	12	ne.	Civil Aeronautics Auth'y.
Butler	Butler	1,077	29	51.2	+1.3	78	4†	24	28	4.20	+1.33	1.20	15	T.	12	10*	13*	9	sw.	Butler Eagle.
Claysville	Washington	1,170	37	52.5	-1.6	79	3	19	29	3.42	+0.17	0.90	15	T.	10	12	9	10	sw.*	Walter B. Paget.
Coudersport	Potter	1,653	15	50.8	+3.8	78	8	24	27	3.14	-0.16	0.71	26	T.	12	14	3	14	sw.	Phillip R. Shaw.
Derry	Westmoreland	1,150	45	56.8	+2.7	79	8	24	28	3.90	+0.66	1.48	14	T.	9	13	11	7	sw.*	Miss N. Dixie Wineman.
Ebensburg	Cambria	2,170	25	49.8	-0.2	76*	8	22	27	4.47	+1.15	1.53	15	T.	12	15	7	9	w.	Miss. Claire K. Oliver.
Edinboro	Erie	1,220	10	50.6	+2.3	73	3†	25	27	6.03	+0.63	1.53	16	2.0	15	8	7	16	nw.	Wallace J. Snyder.
Franklin	Venango	987	68	52.2	+1.0	77	8	26	27†	4.40	+1.11	1.52	15	T.	13	9	11	11	s.*	William K. Fuller.
Greensburg	Westmoreland	1,160	33	56.4	+2.2	78	3†	25	28	5.05	+2.13	2.22	14	T.	11	11	8	12	sw.	Westmoreland Water Co.
Grove City	Mercer	1,350	35	53.7	+1.4	76	8	23	27	4.75	+1.58	0.80	15	0	14	9	10	12	w.	Prof. H. W. Harmon.
Indiana	Indiana	1,300	41	54.7	+2.3	75	2†	23	28	3.89	+0.38	1.25	14	T.	9	11	8	12	e.	Indiana State Teachers Col.
Johnstown	Cambria	1,650	60	54.0	+0.3	78	8	24	27	4.50	+1.24	1.78	15	T.	13	13	8	10	s.	Robert Tross.
Kane	McKean	1,938	9	48.4	-0.1	75	8	15	27	5.31	+1.43	1.50	14	T.	17	11	9	11	s.	U. S. Airway Station.
Meadville	Crawford	1,065	48	51.2	+0.4	78	8	25	27†	4.36	+0.59	0.95	15							

Daily Precipitation for October, 1942

Stations	Counties	Day of month																															Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ATLANTIC DRAINAGE																																		
Delaware Basin																																		
UPPER DELAWARE																																		
Dingmans Ferry ²	Pike					.05	.50								T.	.26	.22	.78					.44		T.			1.52					3.77	
Hawley ²	Wayne					.06	1.26								.05	.16	.09	1.26					.51	.03	.08		.05	1.51					5.06	
Hollisterville ²	Wayne					.14	1.39								T.	.12	.33	.35	.75				.30	T.	.06		.02	1.40					4.86	
Matamoras ²	Pike					.05	.66								.06		.08	.92					.32		.06			1.41					3.66	
Mount Pocono	Monroe				.10	.05	1.05								.10	.15	.60	1.00	.09				.75	.30	.59		1.66	.25					6.68	
Paupack ²	Pike					.11	1.26								.06	.13	.30	1.17					.56		.12			1.45					5.16	
Pine Nut Mount ¹	Wayne				.20	.17									.09	.01	.16	.95	.01				.61	.01	.06		1.39	.16					4.12	
Stroudsburg ²	Monroe					.10	.31									.24	.35	.91					.59	.40	.20			1.87					4.97	
Tanners Falls ¹	Wayne				.06	.78	.01								.05			.80	.03				.31	.01	.03		1.60						3.71	
LEHIGH																																		
Allentown ²	Lehigh					.10	.19								.01	.17	.27	.10	.73				.20	.01	.02		.01	1.41					3.22	
Bethlehem ¹	Northampton				.10	.36									.21	.04	.40	.55					.34		.04			1.46					3.49	
Blakeslee Corner ¹	Monroe				.13	1.01									.10	.10	.13	.56					.75		.25			1.59					4.53	
Gouldsboro ²	Wayne					.15	1.34	.11							.10	.21	.14	.65	.03				.59	.05	.15		.09	1.46					5.05	
Lansford ²	Carbon					.15	1.31								T.	.23	.20	.15	.41				.46	.10	T.			.37	1.65				5.03	
Mauch Chunk	Carbon				.15	.03	1.12								.12	.17	.35	.65					.45	.20	.20	T.		2.01	.05				5.50	
Merwinburg ²	Monroe					.17	.72								.09	.17	.07	.77					.72		.10			.73					4.54	
New Tripoli ¹	Lehigh				.07	.05	.56								.14	.10	.35	.61					.58	.03	.13			1.65					4.27	
Palmerton ¹	Carbon				.07	.58									.02	.04	.15	.65					.55		.06			2.05					4.17	
Zionsville ¹	Lehigh				1.	.01	.47								.18	.13	.43	.81	.45				.17	.08	.02			1.42	.22				3.92	
SCHUYLKILL																																		
Coushohocken ¹	Montgomery				.08	.23	.07								.39	.67	.41	.52	.07				.07		T.		.08	T.					2.59	
Fredericksville ²	Berks					.07	.37								.03	.23	.43	.15	.67				.28	.04	.02		.63	.82					3.74	
Freeland ²	Luzerne					.15	.75	.08							.07	.07	.20	.24	.30				.73	.04	.28		.12	1.53					4.49	
Gratersford	Montgomery				*	.04	.22								.14	.17	.58	.68					.19				1.28	.09					3.39	
Phoenixville ²	Chester					.05	.22								.02	.37	.61	.07	.74				.35	T.	T.			.01	1.16				3.60	
Port Clinton	Schuylkill				.12	.08	.87								.09	.08	.36	.55					.43	.05	.14		2.10	.06					4.93	
Pottstown ²	Montgomery					.02	.04								.01	.13	.21	.22	.09				.25	T.	T.		T.	.96					5	
Pottsville ²	Schuylkill					.21	1.04									.18	.32	.70	.28				.34	.20			.33	1.45					5.05	
Reading ¹	Berks				.07	.03									T.	.12	.05	.41	.52				.33	.02	.05			1.56					3.22	
Wernerville ²	Berks					.09	.46								T.	.18	.39	.45	.44					.74	.03		.01	.08	1.78					4.65
LOWER DELAWARE																																		
Coatesville ¹	Chester				.03	.15	.24								.25	.17	.75	.73					.55	.03	.03			1.76					4.69	
Doylestown ¹	Bucks				T.	.05	.33								.16	.08	.44	.74	T.				.22	.02	.01	T.		.87					2.91	
Marcus Hook ²	Delaware					.03	.20								.01	.21	1.71	*	1.04				.27	T.	.01			.80					4.28	
Neshaminy Falls	Bucks					.06	.30								.08	.19	.62	1.13	.02				.31	T.	T.	T.		1.00	.05				3.79	
Philadelphia	Philadelphia				.04	.32									T.	.15	.29	.62	.65				.21	T.	.02	.01		1.08			.01		3.26	
Airport Station ³	Philadelphia				.01	.35									.08	.17	.91	.65					.25		T.	.02		.96					T.	3.40
City Office ¹	Philadelphia					.03	.40									.21	.83	.04	.59				.04	.18				1.10					3.42	
Franklin Inst ²	Philadelphia				.02	.02	.25								.07	.20	.71	.82	.03				.24	.03	.03	T.		1.00	.03				3.44	
Shawmont ¹	Philadelphia				.02	.02	.24								.16	.07	.52	.94	.03				.19	.13				1.03	.04				3.39	
Quakertown	Bucks				.02	.08	.21								.20	.10	.69	.78					*	.41				1.15					3.64	
West Chester	Chester				.02	.08	.21								.07	.27	1.06	.49	.54					.50				1.39					4.49	
West Grove ²	Chester					.04	.22								.07	.27	1.06	.49	.54					.50				1.39					4.49	
Susquehanna Basin																																		
CHENING																																		
Covington ²	Tioga					.17	.22								.18	.52	.87	.50					.48	.06				.53					3.53	
Lawrenceville ¹	Tioga				.38	.05	.08			T.					.04	.28	.62	.70					.05	.16			.95						3.31	
NORTH BRANCH																																		
Bloomsburg (nr.) ²	Columbia					*									.61	.16	.32	.56					.29	.06	.03			.18	1.30				3.51	
Canton ²	Bradford						.80	.04							.03	.18	.69	.01	.31				.23	.02				.14	1.18				4.85	
Danville ²	Montour					.6	.37								.05	.15	.29	.80	.02				.20	.08	.02			.20	1.10				3.54	
Kellogg Mt Tower ²	Bradford					.15	.39	.01								.26	.43	.70	.29	*			.32	.02	.02			.03	1.27				3.81	
Millville ¹	Columbia	*	*	*	2.29	.37									.13	.30	.06	*	*	*	*	*	*	.89				1.21					5.16	
Montrose ²	Susquehanna					.14	.44								.11	.44	.09	.85	.02				.91	.03	.08			.03	1.31				4.47	
Pikes Creek ¹	Luzerne				.19	.43									.13	.30	.19	.88				1.34		.09				1.43					4.98	
Serantout ¹	Lackawanna				.14	1.36	T.								.05	.02	.15	1.12					.11		.05			1.56					4.66	
Susquehanna ²	Susquehanna					.08	.52									.04	.10	.03	.60				.52	.01	.03		T.	1.40					3.33	
Towanda ¹	Bradford				.32	.01	.34			.03					.10	.13	.34	.88	.01				.05	.16	.03			1.44	T.				3.84	
Tunkhannock ¹	Wyoming				.11	.36									.15	.30	.81	.65	.02				1.10					1.50					5.00	
Wilkes Barre ³	Luzerne				.12	1.27	.02								.08	.19	.27	.66					.22		.10			1.67					4.60	
WEST BRANCH																																		
Andonia ²	Tioga					.19	.06								.02	.40	.59	.53	.03				.12					.51	.36				2.81	
Bald Eagle ¹	Blair				.50										*	*	*	*	2.61				.10	.04				.50			.24		4.08	
Berwinstale ²	Clearfield					.12	.01								.70	1.23	.42	.66	.03				.56	.07				.33	.07				4.20	
Carter Camp ¹	Potter				.30	.08									.14	.77	.81	.08					.36	.10				.72					3.64	
Cedar Run ²	Lycoming					.18	.39									.55	.67	.48	.06					.15	.01	.02		.28	.39				3.31	
Clearfield ²	Clearfield					.22	.05	.02							.30	1.20	.37	.87					.48	.03				.20	.30				4.05	
Driftwood ¹	Cameron				.17									.02	.77	.83	.67	.01					.24	.16	.03			.65				.90	4.45	
Du Bois (near)	Clearfield				.22		.17								.32	.73	.83	.07					.65	.27	.09			.44						

Stations	Counties	Day of month																																Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Susquehanna Basin (continued)																																			
JUNIATA																																			
Altoona (near).....	Blair.....				.15	.04	.07							.08	.79	1.71	.42	.31		.04			.09	.05									4.29		
Bedford ²	Bedford.....				.18	.13									1.80	1.95	.96	.10				.01	.15										5.82		
Breezewood Intch ³	Bedford.....				.06	.38									.24	2.01	1.56	.18	.11			.30		.04		.09							5.61		
Buffalo Mills ²	Bedford.....					.11										1.33	2.40	1.09	.11				.14										5.64		
Burnt Cabins (n.) ³	Huntingdon.....				.02	.30									.12	1.10	2.00	.11	.12			.62		.05		.03							5.23		
Charter Oak (nr.) ¹	Huntingdon.....				.12	.44									.02	.86	1.00	.09	.02				.10				.05						3.60		
East Waterford ²	Perry.....					.06	.23									.29	2.44	1.78	.55	.08				.15	.02	.02							1.6		
Huntingdon.....	Huntingdon.....				.06	T.	.52									.70	1.20	.08	.04					.03	.07								6.57		
Lewis town ²	Mifflin.....					.10	.52									.12	1.22	.68	.48	.02					.07								4.71		
Loop Mt. Tower ²	Huntingdon.....					.01	.26									.74	1.20	.99	.51					.16	.02								4.52		
Mapleton Depot ²	Huntingdon.....					.02	.42									.31	1.11	.83	.07					.04		.02							3.74		
Martinsburg ¹	Blair.....				.08	.17									.23	1.52	.96	.54	.02				.12				.02						.07		
Newport ²	Perry.....					.16	.43									.09	1.13	1.46	.12	.03			.60	.04	T.		.02						6.29		
Saxton ²	Bedford.....					.07	.50									.91	1.62	.75	.29				.02	.08	T.		T.						4.87		
Shade Gap ¹	Huntingdon.....					.27									.19	1.19	1.60	.21	.03				.18		.04		.15	.77					.01		
LWR SUSQUEHANNA																																			

Continued on page 68

Daily Precipitation for October, 1942—Continued from Page 67

Stations	Counties	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALLEGHENY (continued)																																		
Seward ²	Indiana				.46	.22									.61	.43	.49	.11					.89	.12			.31	.23					4.57	
Smethport ²	McKean				.37	.03				.05	.27				.25	.82	.24	.59					.28	.16			.23						5.0	
Stroungtown ¹	Indiana			.07	.01	.01									.13	.12	.80	.18	.93	.02			.73	.05	.08		.03	.44			1.02		4.72	
Tioga Dam ¹	Forest				.14	.11					.11				.15	.48	.21	.60	.04				.34	.23	.04		.06	.40			*		3.91	
Titusville ¹	Crawford			.23	.07	.10				.10					.108	.31	.55	.17					.52	.25	.02		.04	.39			1.23		5.10	
Union City ¹	Erie			.20	.26	.06									.96	.24	.63	.04					.45	.29			.12	.31			1.24		4.84	
Vandergrift ³	Westmoreland			.06		.01								.01	.249	.62	.35						.22	.08	.11		.03	.19			1.00		5.17	
Warren ²	Warren			.06	.15	.20	.02		.02	.10					.24	.72	.18	.28	.04				.35	.21			.34	.15	.02				4.08	
Youngsville ¹	Warren		.02	.27	.10	.03			.02					.05	.211	*	.67	.07					.49	.25			.06	.43			1.25		5.82	
MONONGAHELA																																		
Confluence ²	Somerset				.07	.17					T.				.51	.20	.72	.10	.03			T.	.37	.10	T.		.23	.21					3.71	
Connellsville ²	Fayette				.05	.07									.52	.08	.41	.11	T.			T.	.63	.13	.02		.42	.17					4.61	
Donora ¹	Washington				.06	.01									.11	.38	.15	.29					.45	.19	.09		.04	.86			1.26		5.39	
Greensboro ²	Greene				.02	.11									.56	.16	.63	.08	T.			T.	.31	.14	T.		.49	.16					4.66	
Greensburg	Westmoreland		T.		.08	.01	.06								.22	.32	.18					T.	.32	.10			.67	.1			.02		5.05	
Irwin	Westmoreland				.04	.01	.03								.1	.81	.51	.04					.28	.32	.10		.48	T.			.02		5.08	
Meyersdale ²	Somerset				.09	.20									.82	.35	.51	.18					.16	T.	.02	.16	T.	T.					5.52	
Murrysville ¹	Westmoreland				.03	.02									.11	.62	.37	.19					.33	.11	.06		.06	.87			1.20		5.47	
Newell ¹	Fayette					.02	.02								.1	.10	.60	.45	.02				.02	.50	.05		.05	T.					3.81	
Pittsburgh Arpt. ¹	Allegheny		T.		.02	.02	T.								.11	.46	.15	.51	T.	T.			.27	.07	.03		T.	.28	T.			.99	3.91	
Somerset	Somerset				.04	.09	T.								.02	.99	.89	.12	.02				.35	.03	.05		.38						3.98	
Springs	Somerset				.08	.28									.07	.05	.211	.19	.03	.04			.18	.02	.04		.06	.40					4.55	
Uniontown	Fayette				.04	.02	.11								T.	.87	.57	.41	.01				.41	.15	.17		.04	.66			.38		4.83	
Waynesburg	Greene					*									.1	.25	.85	.43					.31	*	*			.68			.22		3.74	
BEAVER																																		
Beaver Falls ²	Beaver				T.	.01	.02				.03				.58	.84	.17	.58	.01				.84	.11			.32	.21	T.				3.72	
Butler	Butler				T.	.05	.08								.1	.05	.20	.60	.05	.04			.30	.24	.15		.29	T.				.15	4.20	
Greenville	Mercer				.16	.33	.18			.12					.02	.84	.36	.34	.15	.18			.18	.62	.05		.07	.30	.01	.04			4.87	
Grove City	Mercer				.03	.01	.39			.04					.74	.80	.40	.08	.01				.26	.75	.18		.39					.67	4.75	
Mercersburg	Mercer		T.		.23	.11	.03			.06					.13	.76	.37	.68	.11				.45	.30			.04	.38	T.		T.	.18	4.83	
New Castle	Lawrence			T.	.03	.10	.08			.08			.01		T.	.02	.32	.92		.02		T.	.48	.19	.01		.48	T.		.03	.01	.38	4.16	
Penn Line ²	Crawford				.12	.12	.53				.02				.23	.45	.42	.69	.04				.36	.24			.18		T.				3.40	
Pymatuning Dam ²	Crawford		T.	T.	.10	.13	.46	T.	T.		.01	.02	T.		.25	.49	.40	.41	.07	T.	.01		.37	.32		T.	.22	.02					3.28	
Sharon ²	Mercer				.03	.10	.17			.02					.13	.61	.40	.02	.08				.60	.31			.40	T.	.01				2.88	
OHIO																																		
Claysville ²	Washington				.06										.52	.90	.75	.15					.07	.38	.18		.18	.23					3.42	
Coraopolis ²	Allegheny				.01	.01									.33	.22	.24	.36					.07	.30	.14		.18	.11					2.97	
Midland ²	Beaver			.01	T.	.03	T.								.33	.67	.38	.03	.05				.90	.14		.38	.15						3.07	
Mt. Lebanon	Allegheny		T.		.03	.03									.02	.60	.20	.57	T.				.15	.11	.20		.36					.80	3.97	
Washington ¹	Washington														.20	.90	.20	.40					.32	.10			.10	.25					5	
LAKE DRAINAGE																																		
Erie ¹	Erie				.16	.35	.06			.01					.87	.50	.80	.12					.22	.16	.13		.04	.29	.10			.55	4.86	
Raymond ¹	Potter				.23	.11	.03			.03					.04	.13	.63	.69	.01				.17	.08	.13		.08	.67				.60	3.50	

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ⁵ Precipitation for period, 1:30 a. m. of date on which amount is recorded to 1:30 a. m. following date. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. § Incomplete or missing. ‡ Daily amounts inconsistent. T.(trace), when precipitation is less than .01 inch. || Record partially estimated.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind**				Relative Humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum* velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Erie	30.02	30.48	13	29.41	22	8.1	22	sw.	22	84	83	83	28
Harrisburg	30.06	30.55	13	29.54	22	7.1	26	s.	21	83	57	73	43
Kylertown							29	w.	6	87	57	70	
Philadelphia	30.07	30.52	13	29.57	26	11.7	29	ne.	12	86	56	76	49
Pittsburgh	30.05	30.44	13	29.50	22	9.9	31	nw.	5	83	55	67	48
Reading	30.08	30.56	18	29.56	22	9.6	28	se.	26	80	53	54	55
Scranton	30.09	30.61	13	29.53	22	5.6	19	n.	18	83	60	60	57

* For any five-minute period. † Local noon. ** Corrected to true velocities. ‡ 3:00 p. m. § 4:00 p. m.

RIVER CONDITIONS

Stations	Rivers	Mean Stage	Highest stage	Date	Lowest stage	Date	Flood Stage
Port Jervis, N. Y.	Delaware	4.2	6.9	27	2.9	17	18
Easton	Delaware	5.0	10.6	25	3.0	13	22
Leighton	Lehigh	4.4	6.2	27	3.1	5	13
Reading	Schuylkill	5.7	9.9	27	4.7	26	13
Wilkes Barre	N. Br. Susquehanna	5.4	10.3	28	3.2	16	22
Williamsport	W. Br. Susquehanna	2.7	6.8	15	0.7	14	20
Newport	Juniata	5.0	13.2	17	8.4	12	22
Harrisburg	Susquehanna	4.5	5.7	29	3.6	14	17
Schenley (nr) Lock No. 5	Allegheny	13.5	17.7	17	12.0	13	24
Sutersville	Youghiogheny	4.8	11.3	16	2.9	14	20
Charleroi (nr.), Lock No. 4	Monongahela	13.4	18.8	16	11.0	12	30
Pittsburgh	Ohio	•	•	•	•	•	5
Midland, Dam No. 7	Ohio	•	19.5	17	•	•	30

Daily Temperatures for October, 1942

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Allentown ²	Maximum.....	69	72	66	58	65	60	74	75	80	75	74	66	63	59	64	63	61	70	64	66	63	71	61	63	62	56	54	60	62	68	72	65.7
.....	Minimum.....	35	42	41	42	45	51	39	41	43	46	49	46	44	45	54	57	55	50	41	36	37	44	55	42	42	48	32	29	31	33	38	43.0
Altoona(near).....	Maximum.....	75	69	62	58	73	63	74	74	74	72	75	67	61	59	61	63	65	62	63	68	60	63	60	57	61	54	39	57	61	68	70	64.1
.....	Minimum.....	31	45	48	53	55	45	38	41	49	48	46	43	48	51	54	59	55	48	37	36	42	41	45	34	37	36	22	22	34	40	46	42.9
Arendtsville.....	Maximum.....	73	74	64	60	64	67	77	78	82	74	73	68	60	59	62	63	61	69	67	72	60	67	60	60	55	54	47	57	58	69	70	65.2
.....	Minimum.....	39	47	49	53	58	52	41	46	47	56	49	52	47	54	58	61	54	52	40	38	47	53	50	40	41	42	30	25	33	36	47	46.4
Bedford.....	Maximum.....	73	73	67	67	72	70	75	77	80	77	72	69	64	59	62	64	65	65	63	70	68	64	64	58	57	53	41	56	64	69	71	66.1
.....	Minimum.....	36	46	47	56	55	47	35	40	47	46	48	40	50	51	58	61	56	50	36	34	43	47	49	38	40	37	28	23	32	36	45	43.8
Bethlehem ³	Maximum.....	70	72	69	67	65	59	75	77	82	77	76	66	61	61	63	61	55	69	63	66	60	71	64	63	60	56	42	55	62	70	73	65.5
.....	Minimum.....	42	47	42	42	54	50	44	46	50	57	50	51	46	46	56	55	48	48	45	40	42	56	50	44	44	44	32	31	34	40	54	46.1
Bloomsburg(near).....	Maximum.....	69	75	67	61	69	63	73	74	76	75	73	67	64	63	69	67	64	68	62	64	61	67	62	63	61	55	43	58	61	67	71	65.4
.....	Minimum.....	34	37	34	41	51	47	31	34	39	42	40	36	34	52	50	58	50	34	30	30	34	51	48	43	33	37	26	20	26	30	41	38.5
Blue Mt. Interchange ³	Maximum.....	74	74	60	58	70	66	72	76	80	80	74	72	64	64	66	66	64	72	72	71	58	68	64	64	56	52	41	52	56	68	67	65.9
.....	Minimum.....	40	48	50	54	53	50	42	46	52	52	50	50	50	54	52	60	56	52	40	37	50	53	50	36	40	38	32	24	34	37	51	46.2
Bradford.....	Maximum.....	69	68	69	62	66	60	66	74	73	70	69	65	64	61	62	68	63	60	54	61	60	56	56	50	62	58	34	51	63	70	68	62.4
.....	Minimum.....	39	35	37	54	56	41	33	26	45	34	31	38	30	49	56	58	55	36	26	30	27	35	43	26	29	34	24	29	30	41	55	38.1
Breezewood Intchg ³	Maximum.....	74	72	60	62	74	64	70	76	82	76	72	66	62	58	62	65	68	64	62	70	62	68	56	60	58	50	42	56	64	68	70	61.6
.....	Minimum.....	40	44	52	42	52	42	38	38	48	48	44	44	48	52	52	62	54	48	36	36	44	48	43	34	40	42	26	22	34	44	50	43.2
Brookville ⁵	Maximum.....	70	72	70	65	70	58	70	73	68	72	69	69	60	57	62	64	60	60	64	65	58	57	50	52	63	47	36	51	64	73	63	63.3
.....	Minimum.....	40	40	46	54	48	34	31	31	46	42	36	32	43	52	56	56	49	36	30	28	33	44	30	27	37	28	24	24	28	46	47	38.6
Burnt Cabins(near) ⁵	Maximum.....	76	73	60	58	70	66	77	76	82	75	72	66	54	58	67	64	70	67	64	72	62	61	60	61	56	51	44	56	59	70	68	65.0
.....	Minimum.....	36	43	44	52	50	40	34	37	36	44	43	37	50	52	57	54	59	54	49	35	31	43	50	35	36	34	21	20	30	46	51	41.7
Butler.....	Maximum.....	75	75	77	78	75	69	74	78	74	72	75	72	65	66	70	64	63	61	66	69	63	59	60	56	62	50	40	57	58	74	74	66.8
.....	Minimum.....	38	40	52	49	52	45	36	32	49	47	44	36	48	52	55	60	49	43	31	31	34	44	42	30	36	34	26	24	32	49	48	41.5
Carlisle.....	Maximum.....	70	74	65	60	65	65	78	77	82	75	75	70	63	65	63	64	69	71	68	72	64	74	70	64	58	54	49	58	60	66	70	67.0
.....	Minimum.....	40	43	52	52	56	52	37	41	45	51	47	43	42	58	58	60	53	53	42	35	41	54	50	37	39	42	28	25	31	40	52	45.1
Chambersburg.....	Maximum.....	74	74	61	61	70	61	75	76	81	75	75	66	57	62	62	65	66	71	66	71	59	68	64	62	58	46	54	60	67	71	65	65.5
.....	Minimum.....	39	47	49	56	53	49	40	42	48	58	48	47	48	52	57	61	54	58	40	38	47	52	40	38	38	30	28	33	36	45	45	45.2
Claysville ²	Maximum.....	73	77	79	67	71	65	73	78	77	78	69	70	63	62	63	67	65	64	66	69	61	60	50	55	65	41	39	59	70	74	63	65.6
.....	Minimum.....	32	42	43	59	49	43	40	37	37	45	38	36	39	51	52	56	46	45	35	35	34	43	41	31	30	32	24	29	19	43	54	39.4
Coatesville.....	Maximum.....	68	72	66	59	65	62	73	75	81	73	72	66	62	60	65	64	58	69	66	66	70	64	61	60	58	42	46	54	62	68	73	65.2
.....	Minimum.....	37	46	44	45	55	51	42	46	49	55	58	51	48	48	58	58	52	51	42	39	42	54	52	45	43	31	30	38	37	44	46.1	
Coudersport.....	Maximum.....	74	75	75	62	71	63	69	78	70	75	71	71	65	58	62	66	65	64	58	65	58	58	53	55	63	55	34	52	60	70	65	63.9
.....	Minimum.....	30	34	35	50	50	40	30	41	40	35	32	34	50	54	56	54	42	29	27	29	12	43	25	33	34	24	26	29	44	50	37.8	
Derry.....	Maximum.....	73	75	75	70	71	66	74	79	77	75	73	73	64	63	66	66	64	62	64	70	73	65	61	60	69	58	40	59	70	77	73	67.6
.....	Minimum.....	44	44	59	59	58	45	43	38	53	44	45	38	51	53	57	61	55	49	40	35	50	47	46	34	37	34	26	34	54	59	45.7	
Eagles Mere.....	Maximum.....	60	62	58	53	60	51	63	65	67	65	62	58	61	57	65	68	52	61	54	57	55	58	52	53	58	50	35	43	53	61	64	57.5
.....	Minimum.....	35	43	40	42	42	45	37	39	43	44	45	42	39	39	45	54	43	47	35	33	34	42	45	33	34	40	21	21	29	41	38.6	
Ebensburg ²	Maximum.....	73	73	68	61	70	58	69	76	73	68	68	64	58	56	60	64	62	57	58	64	60	58	46	57	58	43	35	54	63	68	73	61.1
.....	Minimum.....	37	37	40	44	51	40	35	34	38	44	40	40	41	45	50	55	50	44	36	35	35	40	40	30	31	39	22	23	24	36	35	38.4
Edinboro.....	Maximum.....	68	69	73	67	65	54	65	73	72	55	54	57	52	61	67	63	59	58	57	60	58	56	48	51	58	53	35	49	58	70	67	50.7
.....	Minimum.....	47	37	51	54	50	43	39	35	49	43	34	35	40	50	55	58	51	38	32	36	36	40	38	34	33	34	25	27	34	51	48	41.4
Emporium ²	Maximum.....	73	75	66	61	70	69	70	77	72	70	75	72	64	60	64	67	66	61	66	59	60	64	63	40	63	40	37	53	61	69	63	63.9
.....	Minimum.....	31	41	41	50	53	45	29	35	36	44	42	34	31	34	45	57	55	32	31	30	32	44	29	30	20	26	26	30	30	30	36.9	
Ephrata.....	Maximum.....	73	79	69	61	67	63	77	79	84	76	77	66	62	60	66	64	62	73	67	70	63	73	63	66	59	57	43	57	65	70	72	67.1
.....	Minimum.....	39	39	43	51	56	52	38	43	45	54	50	47	46	57	59	61	54	52	39	36	45	54	53	39	40	42	30	27	33	47	47	45.1
Erie ⁵	Maximum.....	67	64	76	70	67	56	65	79	71	62	63	59	63	59	64	60	59	59	59	60	63	56	49	52	59	49	39	52	64	74	69	61.5
.....	Minimum.....	54	52	58	59	48	46	51	50	52	49	46	48	51	55	56	51	51	45	43	52	48	43	41	44	31	27	35	51	69	45	48.3	
Fauklin ²	Maximum.....	74	74	75	65	68	61	72	77	71	72	70	74																				

Daily Temperatures for October, 1942—Continued from page 69

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Midland.....	Maximum.....	73	78	77	72	69	68	72	76	76	71	69	71	70	64	66	65	65	65	67	62	61	52	56	66	60	40	54	66	78	69	66.9	
Montrose ²	Minimum.....	47	58	56	59	62	46	44	42	53	54	44	41	52	54	58	60	50	48	41	40	43	42	41	36	40	36	26	26	26	58	55	46.8
.....	Maximum.....	68	62	65	64	65	51	65	70	68	67	64	63	63	59	66	64	50	57	52	56	57	62	56	57	58	48	37	49	57	62	63	59.1
.....	Minimum.....	37	42	40	40	42	48	37	37	43	44	40	38	38	40	49	55	48	45	38	38	38	34	48	37	85	42	26	24	27	36	41	39.9
Mt. Lebanon.....	Maximum.....	74	71	78	67	78	66	76	80	79	73	71	69	62	60	66	65	64	68	67	72	64	62	62	58	68	54	40	58	66	72	65	66.0
.....	Minimum.....	49	47	55	58	51	42	48	43	57	51	44	45	51	53	57	51	50	46	40	39	47	44	39	36	39	30	26	26	46	58	46	45.4
Mt. Pocono.....	Maximum.....	66	68	64	56	56	56	66	79	82	77	73	65	59	57	58	58	58	55	56	62	52	65	60	58	55	53	35	52	58	61	68	60.6
.....	Minimum.....	36	38	34	36	45	46	33	40	48	43	43	38	42	47	53	44	43	40	33	38	48	46	34	37	35	20	25	30	38	48	39.1	
Neshaminy Falls.....	Maximum.....	69	71	68	67	64	68	76	77	83	79	78	72	68	66	67	66	64	66	70	68	61	72	68	68	61	60	50	66	62	70	72	67.7
.....	Minimum.....	36	41	34	48	52	35	50	58	54	49	48	46	41	56	59	54	53	42	40	33	37	51	48	46	47	31	28	29	35	42	44.2	
New Castle.....	Maximum.....	74	74	71	74	67	70	74	80	77	76	72	68	66	64	63	65	63	63	64	70	69	61	52	57	66	65	41	69	62	74	78	67.0
.....	Minimum.....	42	42	52	63	50	42	42	35	62	49	40	36	41	54	56	60	52	51	35	31	37	44	40	31	36	35	25	26	86	50	49	43.0
Newell ³	Maximum.....	73	73	79	69	71	65	72	77	76	74	70	71	60	58	67	64	64	62	64	68	60	62	61	56	67	39	39	60	69	74	67	65.2
.....	Minimum.....	45	47	52	56	62	46	44	44	48	49	46	56	51	52	57	54	52	49	45	43	44	45	44	38	39	32	29	26	37	47	45	45.6
Palmertown ³	Maximum.....	71	77	69	57	64	61	75	76	83	81	77	68	65	58	67	63	56	71	65	68	62	71	64	68	61	58	48	58	65	69	74	66.6
.....	Minimum.....	40	43	38	41	55	40	35	42	46	48	46	38	41	54	56	56	50	40	38	34	36	58	47	37	35	30	28	81	68	47	41.9	
Philadelphia Airport Station ⁵	Maximum.....	59	72	66	63	65	63	74	78	83	75	74	66	65	62	68	66	59	71	67	69	65	74	67	62	64	60	47	56	64	71	74	67.1
.....	Minimum.....	42	45	44	40	56	46	42	47	46	55	53	53	53	58	61	57	52	51	45	41	47	56	51	50	52	38	32	84	35	39	45	47.8
City Office ³	Maximum.....	68	72	66	62	64	62	73	78	82	76	73	63	63	62	67	64	59	70	67	68	63	73	67	63	61	59	46	56	63	70	73	66.2
.....	Minimum.....	49	54	48	46	57	54	51	58	56	59	56	54	52	58	60	57	52	53	51	50	50	58	55	51	55	41	36	38	43	47	54	51.7
Franklin Institute ²	Maximum.....	68	71	68	65	65	60	74	77	82	78	73	64	63	62	67	65	59	70	66	68	63	72	63	63	62	61	47	56	63	43	47	61.3
.....	Minimum.....	48	52	48	47	57	55	48	56	56	60	55	56	52	54	59	62	57	56	53	46	52	58	53	50	50	47	36	37	41	47	54	51.6
Shawmont.....	Maximum.....	70	73	72	66	65	65	76	77	82	78	75	74	62	62	77	66	62	70	68	67	63	73	71	65	62	60	49	57	63	70	74	68.2
.....	Minimum.....	40	46	41	40	54	41	40	51	52	55	49	49	49	57	60	62	54	51	41	37	43	66	56	48	47	48	36	30	34	37	46	46.7
Phoenixville.....	Maximum.....	75	78	77	71	67	69	85	82	88	86	79	79	67	66	71	68	76	74	75	71	73	76	76	66	66	65	62	62	66	75	79	72.9
.....	Minimum.....	36	39	37	37	54	49	36	40	44	49	49	44	42	58	60	63	54	52	35	32	37	52	56	43	40	47	28	26	80	32	40	43.8
Pittsburgh Arpt Sta. ³	Maximum.....	73	72	75	66	70	64	72	78	77	73	69	69	60	59	66	65	62	62	65	68	60	59	49	56	66	52	37	57	66	73	62	64.6
.....	Minimum.....	49	50	57	57	50	44	46	44	56	52	47	46	52	52	56	57	52	48	44	49	44	42	42	36	43	29	25	46	54	46	46.6	
Pittsburgh City Office ³	Maximum.....	76	75	78	69	72	66	75	80	77	74	71	73	63	61	68	67	65	63	67	71	63	61	52	57	67	49	40	58	67	74	65	66.6
.....	Minimum.....	52	50	57	61	51	47	49	45	60	54	49	48	54	54	58	58	53	49	47	43	46	49	45	43	46	32	28	32	42	57	48	45.7
Port Clinton.....	Maximum.....	63	74	70	64	63	63	72	72	80	80	74	73	65	62	65	65	64	68	67	63	64	67	66	61	60	58	46	52	69	66	68	56.6
.....	Minimum.....	40	41	38	48	52	48	35	41	44	56	45	45	46	54	54	61	51	50	35	32	40	55	59	36	31	44	30	24	29	49	45	43.8
Pymatuning Dam ²	Maximum.....	72	69	76	67	69	60	70	78	70	62	65	69	62	60	65	61	58	62	62	65	60	64	68	64	60	40	37	54	60	71	62	62.0
.....	Minimum.....	36	41	51	54	48	40	37	41	45	35	37	36	49	54	57	52	45	42	30	33	39	38	30	32	35	29	24	26	46	56	40.4	
Quakertown.....	Maximum.....	66	69	63	56	65	62	70	72	78	71	70	64	61	58	64	68	60	66	62	62	62	69	65	69	61	57	43	52	60	65	71	63.6
.....	Minimum.....	35	40	33	34	53	48	33	37	49	49	45	45	43	52	55	53	49	46	36	31	36	53	52	40	38	40	30	27	27	31	39	41.0
Reading ³	Maximum.....	70	75	66	59	67	62	76	77	82	76	76	68	63	61	68	66	58	70	66	68	63	71	66	63	60	56	46	56	64	69	73	66.4
.....	Minimum.....	42	47	45	51	56	51	44	48	50	56	55	54	50	56	60	57	52	45	40	45	57	52	45	44	38	33	32	37	41	56	48.1	
Ridgway ²	Maximum.....	73	73	69	65	69	60	72	76	69	73	70	71	62	60	64	65	62	63	62	62	60	60	62	64	65	45	35	52	64	72	65	63.4
.....	Minimum.....	27	27	39	43	54	44	31	32	33	43	37	33	34	41	52	57	51	41	30	28	28	30	29	24	24	38	24	23	23	40	43	35.4
Scranton ³	Maximum.....	70	68	70	68	66	57	71	74	74	72	67	67	64	62	68	65	56	63	68	68	62	67	61	60	64	56	41	58	61	68	69	63.6
.....	Minimum.....	47	43	46	45	55	46	37	39	47	50	44	44	44	53	57	56	50	50	41	39	39	68	49	41	45	35	32	82	84	41	52	44.9
Selingsgrove.....	Maximum.....	69	71	68	63	67	65	76	78	79	76	73	70	69	61	69	67	64	68	65	61	67	65	66	64	60	49	45	55	68	69	66.7	
.....	Minimum.....	41	42	43	52	54	49	35	46	43	46	43	39	38	62	67	60	53	53	31	33	53	60	34	38	40	26	26	31	37	46	42.7	
Sharon.....	Maximum.....	77	76	83	83	88	64	73	83	82	74	72	73	73	67	65	66	62	61	68	69	60	62	56	64	64	40	58	61	75	75	68.0	
.....	Minimum.....	46	46	58	62	63	48	47	38	59	65	43	41	53	56	58	57	56	47	38	36	42	45	45	42	34	28	30	40	60	50	46.9	
Somerset.....	Maximum.....	65	65	64	65	60	61	65	75	75	66	65	63	62	67	61	61	61	57	58	59	58	57	57	52	60	55	34	57	66	67	71	61.4
.....	Minimum.....	35	39	46	54	55	42	37	33	40	47	35	47	49	56	59	51	46	35	31	37	47	42	34	36	33	23	18	30	37	43	40.3	
Springs.....	Maximum.....	68	68	64	67	69	59	69	72	73	70	74	60	57	60	60	61	59															

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER

HARRISBURG, PA.

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No. 11.

GENERAL SUMMARY.

The temperature average for the State was again above normal and the average daily excess, accumulated since January 1, remains 0.7°. The coldest period of the month occurred about the 15th. Temperatures rose thereafter, and highest readings were obtained about the 20th. The extremes recorded were well within the limits set by the absolute temperatures established during the period of record for November.

Precipitation was above normal for the fifth consecutive month and the accumulated excess for the year rose to 3.87 inches. This is in contrast to the deficiency of 7.83 inches accumulated during the first 11 months of 1941. Storms were frequent and the average number of days on which measurable amounts of precipitation fell, was the highest since 1927. Amounts were generally light and the greatest 24-hour amounts were reported on various dates. Of the few stations which reported amounts below their normals, the greatest concentration was in south-central counties. Monthly totals were greater in the western portion of the State.

Western stations also reported greater total monthly snowfall than did eastern stations, where measurable amounts were comparatively rare. Only traces were observed south and east of the mountains. Snow fell at many stations on the 14th but melted quickly. On the 29th, snow, freezing rain, and some sleet were generally reported. A number of minor accidents resulted.

Thunderstorms, reported on the 10th and 24th, were confined, principally, to the eastern portion of the State. High winds, about the middle of the month, were reported from all sections and caused minor property damage.

G. W. S.

TEMPERATURE.

The mean temperature for the State, as determined from the reports of 75 stations, was 41.8°, which is 0.4° above the 55-year normal for November. The highest monthly mean was 48.2° at Marcus Hook, Delaware County, and the lowest was 34.9° at Kane, McKean County. Extremes ranged from a maximum of 82° at Phoenixville, Chester County, on the 20th, to a minimum of 0° at Montrose, Susquehanna County, on the 15th.

PRECIPITATION.

The average precipitation for the State, as determined from the observations at 190 stations, was 3.35 inches, which is 0.49 inch above the 55-year normal for October. The greatest monthly amount was 5.77 inches at Kane, McKean County,

while the least was 1.19 inches at Hyndman, Bedford County. The greatest amount recorded in any 24 consecutive hours was 1.98 inches at Allentown, Lehigh County, on the 25th.

The average snowfall for the State was 1.8 inches, which is 0.9 inch below the 55-year average for the month. The greatest monthly snowfall was 15.0 inches at Meadville, Crawford County. The greatest fall for any observational day was 8.0 inches, also at Meadville, on the 14th.

ERRATA

May, 1942.—Page 30, Quakertown, precipitation departure should be -0.30 inch; Selinsgrove, precipitation departure should be +4.05 inches.

September, 1942.—Page 58, Towanda, precipitation departure should be +2.91 inches.

October, 1942.—Page 65, Quakertown, precipitation departure should be -0.53 inch.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	42.2	79	4	3.37	2.1	11	9	7	14
1889.....	41.8	73	10	6.72	0.7	15	5	8	17
1890.....	41.8	78	10	1.49	0.5	8	9	10	11
1891.....	39.7	76	6	2.65	1.2	9	9	8	13
1892.....	39.0	80	10	4.34	8.6	12	6	8	16
1893.....	39.2	68	-4	2.93	2.4	8	8	11	11
1894.....	38.2	74	6	2.50	5.3	9	10	9	11
1895.....	42.9	78	6	2.48	0.5	10	10	8	11
1896.....	46.0	83	12	3.55	1.1	10	8	9	13
1897.....	41.6	76	2	5.28	2.6	14	6	8	16
1898.....	40.0	73	8	4.03	6.9	11	8	9	13
1899.....	41.5	72	7	2.66	1.2	7	10	8	12
1900.....	43.5	79	7	4.10	3.1	12	6	9	15
1901.....	36.0	76	9	2.56	3.1	8	7	8	15
1902.....	47.3	78	0	1.53	1.5	8	10	8	12
1903.....	36.9	78	2	2.18	1.4	7	11	8	11
1904.....	38.8	79	-4	1.14	3.5	6	10	9	11
1905.....	39.1	68	5	2.47	0.9	9	11	8	11
1906.....	41.5	80	9	1.48	4.0	8	12	6	12
1907.....	39.8	70	4	3.60	2.9	10	13	8	9
1908.....	41.2	75	-2	0.90	5.0	5	12	8	10
1909.....	46.4	80	15	1.40	1.9	7	12	8	10
1910.....	36.8	68	9	2.45	8.5	11	4	7	19
1911.....	37.8	77	7	2.84	3.7	10	7	7	16
1912.....	43.0	81	7	2.17	1.9	7	10	8	12
1913.....	43.0	79	10	3.05	4.5	11	10	5	15
1914.....	40.6	81	-2	1.76	1.5	6	12	9	9
1915.....	42.1	79	13	2.18	1.3	10	10	9	11
1916.....	41.3	79	4	2.27	1.6	9	13	6	11
1917.....	37.6	69	-5	0.63	1.4	5	14	7	9
1918.....	42.1	76	11	2.03	T.	7	12	6	12
1919.....	41.2	76	11	5.35	2.3	12	11	7	12
1920.....	40.3	75	5	3.54	4.5	11	7	7	16
1921.....	42.3	80	3	5.75	1.4	16	5	7	18
1922.....	42.9	73	12	1.21	1.8	9	10	7	13
1923.....	40.7	70	10	2.83	0.3	10	12	5	13
1924.....	40.7	78	-9	1.54	2.9	7	12	8	10
1925.....	39.5	71	4	3.56	2.2	10	11	7	12
1926.....	40.4	79	-1	4.49	0.9	10	9	7	14
1927.....	46.2	85	10	4.95	1.8	14	7	7	16
1928.....	43.4	81	4	2.32	2.3	12	7	8	15
1929.....	41.1	81	-10	3.39	1.9	12	8	8	14
1930.....	42.0	75	-15	1.48	2.3	9	10	7	13
1931.....	49.2	80	12	1.52	2.9	9	10	8	12
1932.....	39.4	75	-2	4.75	0.3	10	12	7	11
1933.....	38.1	83	-11	1.55	7.0	11	8	7	15
1934.....	44.9	80	6	3.61	1.8	12	9	7	14
1935.....	44.4	85	5	3.84	2.5	12	7	6	17
1936.....	38.6	78	2	2.40	3.4	8	9	8	18
1937.....	40.7	79	-3	2.56	2.0	11	11	7	12
1938.....	42.7	87	-13	3.10	10.9	10	13	7	10
1939.....	39.7	76	11	0.97	1.6	5	15	6	9
1940.....	41.8	78	9	4.04	5.8	13	6	6	18
1941.....	44.1	83	9	2.48	0.2	7	11	7	12
1942.....	41.8	82	0	3.35	1.8	14	9	8	13
Period.....	41.4	87	-15	2.86	2.7	10	9	8	13

Climatological Data for November, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.					Precipitation, in inches					No. of days				Observers		
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation .01 in or more	Clear	Pt. cloudy		Cloudy	Prevailing direction of wind
Atlantic Drainage																				
Allentown.....	Lehigh.....	254	30	43.0	+0.6	72	20	20	15	4.22	+1.46	1.98	25	T	13	9	11	10	w.	Allentown-Bethlehem Gas Co.
Altoona (near).....	Blair.....	1,615	55	41.0	+0.6	72	20	16	14	2.64	+0.22	0.44	1	1.5	16	14	7	9	w.	City of Altoona.
Bedford.....	Bedford.....	1,120	10	43.1	0.0	74	20	15	14	1.90	-0.45	0.40	24	T	11	5	4	21	nw.	Charles C. Lee.
Bethlehem.....	Northampton.....	364	56	43.8	-0.7	71	20	22	15	3.26	+0.39	0.76	24	T	12	13	4	13	nw.	Lehigh University.
Black Moshannon.....	Centre.....	610	16	40.0	.....	67	20	9	15	3.22	.....	0.84	17-18	3.5	14	2	14	14	w.	U. S. Weather Bureau.
Bloomsburg (near).....	Columbia.....	990	1	40.0	.....	73	20	12	15	2.84	.....	0.68	25	1.0	13	9	11	10	nw.	Benjamin F. Conner.
Burnt Cabins (near).....	Huntingdon.....	473	73	43.6	+2.0	77	20	19	15	2.22	.....	0.50	1	T	13	8	9	12	sw.	Penna. Turnpike Comm.
Carlisle.....	Cumberland.....	600	45	44.4	+2.0	78	20	20	15	2.89	+0.57	0.84	3	T	12	18	4	8	nw.	Clarence E. Miller.
Chambersburg.....	Franklin.....	431	55	44.4	+2.0	75	20	20	15	2.30	+0.05	0.66	30	0.2	13	9	12	9	nw.	William B. Spear.
Coatesville.....	Chester.....	431	55	44.4	+1.6	75	20	20	15	3.96	+1.02	1.42	25	0	9	11	5	14	nw.	Howard L. Pyle.
Eagles Mere.....	Sullivan.....	2,020	1	36.2	.....	65	20	10	15	3.21	.....	0.81	25	2.2	14	7	11	12	n.	Carl E. Bigger.
Emporium.....	Cameron.....	1,033	57	39.9 ^a	+0.6	71 ⁸	1	14 ⁸	15	3.75	+0.91	1.15	1	.....	13	10	5	15	w.	E. M. Poorman.
Ephrata.....	Lancaster.....	365	45	45.4	+2.0	74	20	19	15	3.29	+1.03	0.71	29	T	9	12	10	8	n.	Ira J. Keath.
Freeland.....	Luzerne.....	1,970	49	38.8	+1.5	64	20	13	15	2.86	-0.27	0.85	25	T	14	6	5	19	a.	Andrew B. Evansha.
Gettysburg.....	Adams.....	553	69	44.8	+2.3	77	20	20	15	2.35	-0.05	0.61	29	T	13	15	10	5	sw.	Dr. Henry Stewart.
Gordon.....	Schuylkill.....	900	38	41.5	+1.6	73	20 [†]	12	15	2.92	-0.26	0.88	25	T	10	12	6	12	ne.	Miss Sallie M. Johnson.
Hanover.....	York.....	600	38	44.1	-0.9	77	20	21	15	2.29	+0.03	0.66	30	T	11	10	6	14	a.	Evening Sun.
Harrisburg Airport.....	York.....	351	73	43.8	+1.0	77	20	22	15	2.19	-0.07	0.64	24-25	T	13	6	11	13	nw.	U. S. Weather Bureau.
Hawley.....	Wayne.....	900	24	40.0	+0.8	70	20	14	15 [†]	3.74	+1.11	1.35	25	T	12	12	11	7	w.	Mrs. Della M. Pennell.
Holtwood.....	Lancaster.....	200	27	45.3	+0.2	75	20	26	15	2.51	+0.32	0.66	24	0	13	12	9	9	nw.	Penna. Water & Power Co.
Huntingdon.....	Huntingdon.....	700	55	40.5	-1.2	76	20	14	15	1.98	-0.25	0.58	25	1.0	14	8	6	16	w.	Prof. Paul R. Yoder.
Lancaster.....	Lancaster.....	255	55	45.0	+1.9	77	20	18	15	2.95	+0.57	0.71	25	T	12	17	5	8	nw.	Lancaster Water Bureau.
Lawrenceville.....	Tioga.....	996	45	40.9	+1.8	67	20	15	15	2.78	+0.51	0.82	1	3.0	11	8	7	15	n.	Carlos P. Darling.
Lebanon.....	Lebanon.....	469	58	42.8	+0.2	76	20	19	15	2.79	+0.28	1.03	25	T	11	21	4	5	sw.	Lebanon Valley Gas Co.
Lewistown.....	Mifflin.....	467	4	41.6 ^a	.....	76 ^a	20	20 ^a	15	2.73	.....	0.57	25	.....	14	9	5	16	.....	Penna. Edison Co.
Lock Haven.....	Clinton.....	557	52	39.6	-2.4	75	20	15	15	3.07	+0.96	0.85	25	2.0	14	10	5	15	nw.	William R. Kelley.
Marcus Hook.....	Delaware.....	12	16	48.2	+0.4	75	21	27	14 [†]	3.67	+0.89	0.97	30	0	9	22	0	8	sw.	Sun Oil Co.
Montrose.....	Susquehanna.....	1,176	37	37.0 ^a	+1.7	67 ^a	20	0 ^a	15	3.61	+0.99	0.91	25	1.5	19	9	10	11	nw.	Harry S. Fancher.
Mt. Pocono.....	Monroe.....	1,720	36	36.8	+0.7	68	20	8	15	3.13	-0.08	0.90	24	1.5	14	5	11	18	nw.	Cecil J. Hoskinson.
Neshaminy Falls.....	Bucks.....	80	53	45.2	+2.5	76	20	16	16	3	.....	0.85	24	T	11	12	6	12	w.	Phila.-Suburban Water Co.
Palmerton.....	Carbon.....	455	21	42.2	+0.2	75	20	20	15	2.68	+0.09	0.91	24	T	10	1	11	18	w.	New Jersey Zinc Co.
Philadelphia City Office.....	Philadelphia.....	26	71	47.8	+2.1	73	20	26	2 ^a	3.79	+1.09	1.72	23-24	0	9	12	10	8	sw.	U. S. Weather Bureau.
Phoenixville.....	Chester.....	100	32	47.4	+3.7	82	20	16	15	4.71	+1.72	1.63	25	T	9	15	9	6	w.	Phila.-Suburban Water Co.
Port Clinton.....	Schuylkill.....	407	4	43.4	+1.5	72	20 [†]	15	15	3.16	+0.35	1.07	25	T	11	19	6	5	n.	Earl E. Rarick.
Quakertown.....	Bucks.....	450	57	42.5	+1.1	72	20	17	15	3.69	+0.55	0.91	25	T	12	13	10	7	nw.	John E. Benner.
Reading.....	Berks.....	273	72	45.1	+1.3	75	20	23	15	3.83	+0.60	1.09	23-24	T	10	12	7	11	nw.	U. S. Weather Bureau.
Scranton.....	Lackawanna.....	746	48	41.4	+0.9	70	20	19	15	3.41	+0.64	1.65	24-25	T	12	6	15	9	sw.	U. S. Weather Bureau.
Sellinsgrove.....	Snyder.....	476	52	42.2	+0.4	76	20	17	14	2.85	+0.38	0.99	25	0.8	17	17	3	10	w.	Dr. George E. Fisher.
State College.....	Centre.....	1,217	58	41.2	+1.1	70	20	18	15	2.24	-0.07	0.59	1	1.0	14	3	18	9	nw.	Penna. State College.
Stroudsburg.....	Monroe.....	440	28	39.8	-1.1	70	20	15	15	3.94	+0.75	1.22	25	T	13	8	10	12	w.	Metropolitan Edison Co.
Towanda.....	Bradford.....	754	48	41.4	+1.6	71	20	16	15	2.74	+0.60	0.68	25	0.1	13	6	13	11	w.	Mrs. M. Ordella Parks.
Wellsville.....	Tioga.....	1,319	72	37.1	-0.5	65	19 [†]	12	15	3.04	+0.82	0.95	1	1.0	11	11	12	7	n.	M. S. Bliss.
West Chester.....	Chester.....	440	93	45.5	+2.4	76	20	19	15	3.77	+0.69	0.86	10	T	11	16	6	8	nw.	Clyde T. Saylor.
Wilkes-Barre.....	Luzerne.....	544	4	40.5	.....	71	20	18	15	3.68	+1.46	1.20	25	T	13	5	13	12	a.	U. S. Communication Sta.
Williamsport.....	Lycoming.....	550	56	42.2	+1.0	73	20	17	15	3.00	+0.63	0.91	25	T	15	8	16	6	w.	John D. McEwen.
Williamstown.....	Dauphin.....	1,275	27	.....	.....	.....	19	14	15	3.26	+0.43	1.30	25	T	12	21	3	6	sw.	Susquehanna Collieries.
York.....	York.....	400	54	46.4	+3.2	75	20	17	15	2.64	+0.41	0.58	29	0	16	13	9	8	nw.	York Water Co.
Division mean.....				42.3	+0.9	82	20	0	15	3.21	+0.35	1.98	25	0.5	12	11	8	11	nw.	
Ohio Drainage																				
Bradford.....	Mc Kean.....	1,680	1	38.2	.....	63	20	8	15	4.33	+1.14	0.99	1	9.5	19	12	5	13	w.	City Water Dept.
Brookville.....	Jefferson.....	1,400	52	38.0	+0.4	69	20	9	15	5.20	+2.31	1.35	24	.....	19	.....	.....	.....	.....	Civil Aeronautics Auth'y.
Butler.....	Butler.....	1,077	29	42.7	+4.3	69	20	19	13	4.44	+1.64	1.00	1	2.5	17	9	11	10	w.	Butler Eagle.
Claysville.....	Washington.....	1,170	37	41.0	-1.3	73	20	15	15	3.67	+1.17	1.10	1	T	13	7	8	15	sw.	Walter B. Paget.
Coudersport.....	Potter.....	1,653	15	37.2	+0.8	65	20	8	30	3.97	+0.91	1.10	1	12.0	17	7	6	17	nw.	Philip R. Shaw.
Derry.....	Westmoreland.....	1,150	45	44.6	+2.5	72	20	12	15	4.62	+1.99	1.30	1	0.5	16	6	11	13	sw.	Miss N. Dixie Wineman.
Ebensburg.....	Cambria.....	2,170	25	37.6	-1.1	66	20	11	15 [†]	3.41	+0.53	0.65	1	1.1	16	6	4	20	w.	Miss Claire K. Oliver.
Edinboro.....	Erie.....	1,220	10	39.0	+1.6	65	20	13	15	4.70||	+0.54	0.76	18	6.5	19	5	7	18	nw.	Wallace J. Snyder.
Franklin.....	Venango.....	987	68	40.4	+0.9	70	20	11	15	4.09	+1.16	1.16	1	7.5	15	9	9	12	w.	William K. Fuller.
Greensburg.....	Westmoreland.....	1,160	33	44.4	+1.5	73	20	18	15	4.36	+1.96	1.45	1	1.2	15	7	9	14	w.	Westmoreland Water Co.
Grove City.....	Mercer.....	1,350	35	41.2	+0.6	69	20	18	15	3.63	+0.60	0.80	24	3.6	18	2	12	16	w.	Prof. H. W. Harmon.
Indiana.....	Indiana.....	1,300	41	42.4	+1.3	68	20 [†]	14	15	3.81	+1.04	1.43	1	1.5	16	6	6	18	w.	Indiana State Teachers Col.
Johnstown.....	Cambria.....	1,650	60	41.0	+1.0	71	20	14	15	4.15	+1.27	0.76	1	3.1	18	9	9	12	a.	

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Stations	Counties	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ATLANTIC DRAINAGE																																		
Delaware Basin																																		
UPPER DELAWARE																																		
Dingmans Ferry ²	Pike	.08	.05	.54				T.		T.		.44	T.	T.	T.					.10						.40	1.75	1.23				.32	4.91	
Hawley ²	Wayne	T.	.04	.45			.04		T.	.06		.20	T.	T.	T.					.25	.02		T.	.03		.36	1.35	.76		T.	.18	3.74		
Hollisterville ²	Wayne	T.	T.	.66						.05	.01	.25	.91	.02	.07					.23				.07		.35	1.73	.48	.01	T.	.09	3.93		
Matamoras ²	Pike	.27	.09	.57	.08		.07					.38								.18	.09					.41	.82	1.59			.11	4.66		
Mount Pocono	Monroe	.25		.55			T.		.10	.02	.20	T.	.05	.10						.25			.01	.10		.90	.40			.10	.10	3.13		
Paupack ²	Pike	.05		.48			.05			.09		.17	.01		.10					.24				.03		.46	1.40	.48			.05	3.61		
Pleasant Mount ¹	Wayne	.16	.18	.14					.04		.35	*	*	*	*	*			.07	.07			.02	.08		.66	1.02			.22		3.77		
Stroudsburg ²	Monroe	.05	.01	.71			.01		.02	.04		.24			T.					.21			.02			.41	1.22	.62			.38	3.94		
Tanners Falls ¹	Wayne		.12	.20					.11		.19			.01						.01						.47	1.25			.14		2.91		
LEHIGH																																		
Allentown ²	Lehigh	.01	.07	.52	.01		T.		.02	.03		.33		.02	T.				.10	T.			T.			.55	1.98	.06	T.		.52	4.22		
Bethlehem ¹	Northampton	.07	.08	.37					.05		.36		T.	.02					.09				T.		.27	.76	.72	.01		.46		3.26		
Blakeslee Corners ¹	Monroe	.19	.19	.23					.02		.35			.05				.05		.34			.05		.03	.88	1.22			.29		3.89		
Gouldsboro ²	Wayne	.05	.08	.49					.06		.04	.20	.05	.14						.25	.08			.02	.42	.43	1.53	.87			.36	5.07		
Lausford ²	Carbon	.08	.06	.40	T.				T.	.11	.04	.25	T.	T.	.01					.25				T.		.32	.96	.20			.40	3.08		
Mauch Chunk	Carbon	.21		.41				T.	.06	T.	.18		T.	T.	T.					.33				T.		.03	.45	1.17		*	.44	3.28		
Merwinsburg ²	Monroe																																	
New Tripoli ¹	Lehigh	.15		.45			T.		.06		.25		T.	.01					.19				T.		.19	.73	1.21		T.	.32	.09	3.65		
Palmerton ¹	Carbon	.07	*	.45					.01		.17		T.	T.					.16				T.		.07	.91	.51	T.		.38		2.68		
Zionsville ¹	Lehigh	.05		.06					T.		1.10	.04							T.						.08	.54	1.34	T.		.61		3.82		
SCHUYLKILL																																		
Coushockeou ¹	Montgomery	.98					T.		.39	T.	.08			.37											.41	.78	1.04		T.	.94		4.99		
Fredericksville ²	Berks		.14	.42	.53		T.		.07	.01		.15		.05						.10				T.		.55	.90	.01			.52	3.45		
Freeland ²	Luzerne		.18	.05	.15		.04					.04	T.	T.	.37	T.				.25				.02	.02	.23	.85	.61			.05	2.86		
Gratersford ¹	Montgomery	.07		.14			T.		.03		.05	.18			.37	T.				.07	.07				.29	1.61	1.74			.43	.34	4.95		
Phoenixville ²	Chester	T.		.53			T.		.05	T.		.75								.05	.01			T.			.66	1.63	.21	T.		.82	4.71	
Port Clinton	Schuykill	.17		.52							.18	.08		.05	T.					.18					.03	.42	1.07			.18	.28	3.16		
Pottstown ²	Montgomery	T.	.08	.42			T.		.06	.03	.09									.04	T.						.38	1.46	.19			.38	3.13	
Pottsville ²	Schuykill	T.	.16	.45			T.	T.	.03	.05	T.	.40	T.	T.				*		.22				T.			.30	.90	.04			.36	2.91	
Reading ¹	Berks	.16	.09	.41			T.	T.	.05		.20			T.						.08						.28	1.05	.41	T.		.60		3.33	
Wernersville ²	Berks		.14	.08	.40				.08			.27								.12	.02	T.					.51	.85	.34			.34	3.15	
LOWER DELAWARE																																		
Coatesville ¹	Chester	.12		.40					.05		.33									.05						.22	.50	1.42			.87		3.96	
Doylestown ¹	Bucks	.05		.34					T.	.01	.53			T.						.02						.11	.53	.75			.54	.22	3.10	
Marcus Hook ²	Delaware	.01	.08	.24				T.	T.		.58									.02							.87	*	.90	T.		.97	3.67	
Neshaminy Falls ¹	Bucks	.15		.35				.08	.31		.55			T.	.08					.07						.16	.88	.75	T.	T.	.01			
Philadelphia																																		
Airport Station ⁵	Philadelphia	.04	.03	.20			T.		T.		.46			T.						.01				T.		.52	1.12	.07	T.	T.	.99		3.44	
City Office ¹	Philadelphia	.09		.22			T.		.03		.27									.03				T.		.41	1.69	.11	T.		.94		3.79	
Franklin Inst. ²	Philadelphia	.05		.29					.01		.40									.05					.01		1.00	1.60	.04		1.00		4.44	
Shawmont ¹	Philadelphia	.06		.31			T.	.02	.03	.02	.40	.04								.06				T.			.85	1.07		T.	.38	.49	3.76	
Quakertown	Bucks	.06		.32			.03		.06		.64	T.		.02	T.					.06						.15	.69	.91			.48	.27	3.69	
West Chester	Chester	.08		.36				.01	.01		.86				T.					.07				T.		.11	.60	.85		*	.82		3.77	
West Grove ²	Chester	.04	.06	.33					.04	.02		.71								.04							.59	.78	.33			.91	3.85	
Susquehanna Basin																																		
CHEMUNG																																		
Covington ²	Tioga	.07	.13	.12							.50	T.	.05							.40		.05	.13	.10		.40	.51			.10		2.56		
Lawrenceville ¹	Tioga	.82		.12							.32	T.	.03	.20					T.	.34						.18	.20		T.	.05	.05	T.	2.78	
NORTH BRANCH																																		
Bloomsburg (ur.) ²	Columbia	.18	.08	.40					.05		.17	.02			.09					.32				.03		.38	.68	.23			.21		2.84	
Cantow ²	Bradford	.41	.29	.14			T.		.02		.34	T.	.16							.50			.18	.08		.13	.59			T.	.09		2.93	
Danville ²	Montour	.45	.06	.32					.08		.26									.24	.03			.07		.23	1.00	.09			.28		3.10	
Kellogg Mt Tower ²	Bradford	.09	.34	.21	.02			.01	.02	.03	T.	.25	T.	.03	.02																		\$	
Millville ¹	Columbia	.33	.10	.10					.03		.03									.41				.03		.60	.42				.12	.06	2.40	
Montrose ²	Susquehanna	.02	.38	.19			.01	.01			.01	.32	.01	.04	.01	T.				.78	.06		.15	.10			.06	.91	.47		.02		.09	3.64
Pikes Creek ¹	Luzerne	.20	.22	.16	.06						.21			.06						.02							.85	.71			.30		3.19	
Strauton ¹	Lackawanna	.20	.10	.19			T.		.07		.21	T.	T.	.01	.01					.31				.06		.03	.39	1.59			.25		3.41	
Susquehanna ²	Susquehanna	.02	.25	.08							.28		.02	.05	T.					.68	.08		.23	.06		T.	.70	.33		T.	.03	.16	2.97	
Towanda	Bradford	.35		.16		.03		.02		.16	T.	T.	.07	T.					.03	.64		.34			T.	.23	.68	.01	T.	.02	T.	2.74		
Tunkhannock ¹	Wyoming	.13	.14	.22				.05		.25				.07	T.					.02	.44			.09		.07	.82	1.06			.08		3.44	
Wilkes-Barre ³	Luzerne	.23	.21	.24			T.		.05		.22	T.	T.	.14						.01					.03	.06	.68	1.20	T.		.31		3.68	
WEST BRANCH																																		
Ausonia ²	Tioga	.89	.10	.09	T.						.28	.03	.11	.02						.37				.16		.09	1.16			.03	.12		3.45	
Bald Eagle ¹	Blair	.38		.38					.09		.28		.10							.38			.07		.05	.55	.10				.23		2.28	
Berwinstale ²	Clearfield	1.46		.11	T.		T.	T.	T.	.12		.33	.02	T.	.04	T.			.05				.16		.03	.33	.35	T.	.05		.54		4.16	
Black Moshannon	Centre	.35	.05	T.		T.	T.	T.	T.	.17	T.	.32	.02	T.	.02	T.				.41	.43				.10	.71	.18	.03	T.	T.	.40		3.22	
Carter Camp ¹	Potter	.63		.15							.40		.02	.14	.05	.09				.15	.40				.19	.48	.12	.03			.23		2.94	
Cedar Run ²	Lycoming	.73	.20	.15					.06		.36	.04	.15	.09						.39				.06	.08		.11	.94			.03	.18	3.57	
Clearfield ²	Clearfield	1.22	.08	.68	T.		.02	T.		.15	T.	.33	.09	.02	.27					.57	T.		.01	.32		.26	.60	T.	.04	T.	T.	.58	4.64	
Driftwood ¹	Cameron	.50																																

Day of month

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Stations	Counties	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALLEGHENY (continued)																																	
Seward ²	Indiana	1.33	.04	.32						.04		.36			.08	.04			.21			.06		.08	.64	.08	.06			.36		3.70	
Strongstown ¹	Indiana	.27	.21	.03			.03	.09		.47					.03			.23	.48		.04		.23	.56	.20	.04			.57		3.48		
Titusville Dam ¹	Forest	1.35	.05	.11			.06	.02		.70				.28				.88		.21		.09	.27	.02		.03	.01	.32		.40			
Titusville ¹	Crawford	.14	.03	.14						.66	.03	.02	.18	.20				.38	.30		.25		.16	.33	.08	.01	.01	.06	.41		3.43		
Union City ¹	Erie	.08	.25	.21			.10			.04	.61	.08	.06	.19				.56	.24	.01		.28		.16	.51	.02	.03	.05	.02	.29		3.79	
Vandergrift ³	Westmoreland	.41	.09	.06			.04	.08		.41			.10					.16	.56		.11		.22	.32	.01	.01			.42		3.00		
Warren ²	Warren	1.53	.07	.03	.01		.02	.03		T.	.72	.16	.18	.38	.01			.58			.24	T.		.29	.19	.03	.02	.10	.20	.25		5.04	
Youngsville ¹	Warren	.34	.08	.10			.09				.96	.08	.07	.47	.01			.38	.28		.07	.22		.07	.33	.08		.03	.04	.45		4.15	
MONONGAHELA																																	
Confluence ²	Somerset	.59	.01	.47			T.	.01	.06	.04		.36	T.		.13	.05		.26	T.	T.	T.	.08	.03	.67	.24	T.	T.		.61		3.64		
Connellsville ²	Fayette	1.08	.02	.41				.08	.07	.13		.31			.04	T.		.30			T.	.12	.04	.53	.36		T.		.46		3.95		
Donora ¹	Washington	.44	.24	.06		T.	.16	.03	.11		.23			.20	T.			.06	.41		T.	.02	.50	.17	.01		T.		.37		2.95		
Greensboro ²	Greene	1.05	T.	.41			.02	.13	.08	.02		.36			T.	T.		.20	.01	T.	.21	.09	.50	.35	.03	.03			.55		4.04		
Greensburg	Westmoreland	1.45	.02	.42			.12	.20		.27	T.			T.	.01			.04	.52		.06		.08	.58	.13	.01	T.		.45		4.36		
Irwin	Westmoreland	1.90	.02	.29			.09	.01	.10	.01	.24	T.		T.	T.			.02	.56	T.	.05		.10	.52	.13	.02	T.		.36		4.42		
Meyersdale ²	Somerset	.60	T.	.25	T.			.09		.09		.30			.15	T.			.10	.02	T.	.05	.54	.14	T.				.49		2.73		
Murrysville ¹	Westmoreland	.30	.18			.01	.05	.07		.07		.22		.30		.01		.21	.42		.06		.43	.25			.02		.38		2.61		
Newell ¹	Fayette	1.20	*	.30			.10	.05	.08	.15	.08							.35			.02		.45	.20				.22	.20		3.40		
Pittsburgh Arpt. ¹	Allegheny	.37	.14	.02		.01	.07	.01	.09		.25	T.	T.	.01	.02			.17	.45	T.	.09		.28	.20	.02	.01	T.		.34	T.	2.55		
Somerset	Somerset	.60	.03	.30			.02	T.	.24	.02	.45	.03			T.	.04		T.	.25		.08	T.	.14	.53	.12	.05	T.		.56	T.	3.46		
Springs	Somerset	.46	.14	.20			.01	.06	.17		.32	T.			T.	.08		T.	.28	.01	.21	T.	.22	.56	.14	.05	T.	T.	.61		3.51		
Uniontown	Fayette	.70	.08	.43			.13	.01	.13		.34	T.			T.	.01		.02	.23		.15		.22	.53	.23	.01			.52		3.74		
Waynesburg	Greene	1.03	.06	.26			.18		.08		.40							.32			.17		.34	.40	.11				.55		3.90		
BEAVER																																	
Beaver Falls ²	Beaver	1.02	.05	.06			T.	.02		T.	.59	T.	T.		.02			.69	T.		T.		.56	.06	T.		T.		.02	.20		3.29	
Butler	Butler	1.00		.13			.04		.05		.72	.01	.05	.22	.03			*	.95		.18		.03	.49	.16		T.		.30	.08		4.41	
Greenville	Mercer			.14	T.		.09	.09	.12		.47	.33	.01	.11	.01			.46	.41		.26	.20		.70	.02	.03			.31		3.76		
Grove City	Mercer	.36		.05			.02		.05		.24	.27	.01	.03	.01			.23	.57		.01		.01	.80	.23				.44	.03		3.63	
Mercer ³	Mercer	.02	.11	.04		.01	.07		.01		.65	T.		.06	T.			.72	.13	T.	.45		.72	.10	.01	T.	T.	T.	.38	T.		3.48	
New Castle	Lawrence	.71	.02	.11		.01	.05	.02	.04	.02	.41	.02	.02	.04	.02	.02		.03	.66		T.	.41		.66	.07		T.		.30	.02		3.66	
Penn Line ²	Crawford	.84	.02	.30	.08		.08				.35	.39	T.	.04	T.			.01	1.01		.16		.28	.02				.05	.20	.16		3.99	
Pymatuning Dam ²	Crawford	.94	.03	.15	.05	T.	.04	.01	T.		.55	.41	T.	.03	T.			.02	.85	T.	.15	T.	.44	.03	T.	T.	T.		.16	.10		3.96	
Sharon ²	Mercer	1.37	.05	.03	.03		.05				.16	.53	.06		.04			1.38					.68	.05					.10	.26		5.06	
OHIO																																	
Claysville ²	Washington	1.10	.02	.20			.06	.07	.09		.41				T.			.58			.07	.05	.39	.15					.48		3.67		
Corapolis ²	Allegheny	1.00	.03	.07			.02	.03	.01	.04		.52			T.			.81		T.		.09		.55	.08				T.	.37		3.62	
Midland ²	Beaver	1.12	.05	.05			.02	T.		.03		.53			T.			.89			.14		.60	.05						.37		3.85	
Mt. Lebanon	Allegheny	.38	.14	.08		.01	.11	T.	.10		.38	T.			T.	.08		.11	.53	T.	.08		.25	.27	T.	T.			.36		2.85		
Washington ¹	Washington					.04	.05	.06	.16	.04	.27							.19	.32		.02	.03	.37	.15	.02				.41			§	
LAKE DRAINAGE																																	
Erie ¹	Erie		.27	.09			.12			.14	.90	.01	T.	.02				.73	.18		.11	.45		.17	.31		T.	.08		.09	T.		3.67
Raymond ¹	Potter	.40	.06	.24			.10			.04	.39		.05	.14	.02			.03	.20	.32	.02	.07	.23		.07	.25	.08	.01	.02	.08	.13	.03	2.98

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ⁵ Precipitation for period, 1:30 a. m. of date on which amount is recorded to 1:30 a. m. following date. [†] Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. § Incomplete or missing. † Daily amounts inconsistent. T. (trace), when precipitation is less than .01 inch. || Record partially estimated.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind**			Relative Humidity			Percentage of sunshine	
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.		7:30 p. m.
Bl'k Moshannon.	30.09	30.54	4	29.54	13	10.0	35	w.	10	88	72	80	.....
Erie.....	30.05	30.58	4	29.49	12	10.0	28	w.	10	79	55	79	14
Harrisburg.....	30.01	30.57	4	29.46	25	8.3	41	s.	10	75	55	66	36
Philadelphia.....	30.09	30.58	5	29.34	25	13.3	44	s.w.	10	78	52	67	55
Pittsburgh.....	30.01	30.16	4	29.59	13	11.3	41	n.w.	13	79	64	72	32
Reading.....	30.02	30.59	5	29.40	25	11.8	48	n.w.	13	73	48	50	60
Scranton.....	30.08	30.56	4	29.46	13	7.0	30	n.w.	13	80	62	.....	45

* For any five-minute period.
† Local noon

** Corrected to true velocities.
§ 4:00 p. m.

RIVER CONDITIONS

Stations	Rivers	Mean Stage	Highest stage	Date	Lowest stage	Date	Flood Stage
Port Jervis, N. Y.	Delaware	4.1	7.3	26	3.2	16	18
Easton	Delaware	5.0	12.5	26	3.2	17	22
Lehigh	Lehigh	4.2	6.1	26	3.5	23	9
Reading	Schuylkill	5.0	6.6	25	3.9	23	13
Wilkes-Barre	N. Br. Susquehanna	6.9	12.4	26	4.6	18	22
Williamsport	W. Br. Susquehanna	4.3	7.6	3	2.6	17	20
Newport	Juniata	4.4	5.3	26	3.8	23	22
Harrisburg	Susquehanna	4.8	6.7	27	4.1	19	17
Schenley, (nr) Lock No. 5	Allegheny	15.9	18.6	2	13.9	10	24
Sutersville	Youghiogheny	5.3	7.0	26	4.3	22	30
Charlevoix (nr.), Lock No. 4	Monongahela	15.1	19.2	26	11.6	22	30
Pittsburgh	Ohio	•	•	•	•	•	5
Midland, Dam No. 7	Ohio	•	18.8	3	•	•	80

Daily Temperatures for November, 1942

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown ²	Maximum....	60	62	52	51	63	59	56	52	55	67	54	48	51	43	45	57	64	65	65	72	64	59	38	46	52	57	47	40	44	44	54.1
	Minimum....	46	36	36	36	29	29	35	36	30	30	37	30	32	25	20	22	26	28	33	33	44	30	28	29	37	46	35	24	24	31	31.9
Altoona(near).....	Maximum....	64	56	46	48	48	52	52	49	48	60	46	42	49	28	49	65	68	61	66	72	67	44	38	42	43	48	40	37	34	89	50.0
	Minimum....	41	32	35	29	27	43	34	41	32	44	27	28	22	16	17	28	34	48	38	50	43	25	33	34	38	29	21	19	25	31	32.1
Arendtsville.....	Maximum....	60	62	57	60	54	57	64	60	56	60	51	47	50	34	46	62	68	67	65	76	70	45	40	44	63	53	60	44	36	48	54.1
	Minimum....	49	30	39	32	25	42	39	45	33	34	28	32	35	25	18	26	32	50	35	44	38	30	35	36	44	32	31	21	24	34	34.4
Bedford.....	Maximum....	67	60	59	55	53	52	52	48	65	50	47	51	35	50	63	66	64	66	74	71	51	45	41	44	48	42	38	42	49	63.2 ^a	
	Minimum....	43	32	33	23	21	45	38	37	35	47	30	29	15	20	22	26	60	33	51	51	29	30	36	40	35	25	22	30	30	30	33.0
Bethlehem ³	Maximum....	62	62	50	52	52	68	57	59	56	66	43	42	48	32	44	60	68	64	68	71	66	46	35	40	50	58	48	38	42	48	52.5
	Minimum....	42	37	38	35	28	46	40	42	35	43	37	37	29	23	22	27	32	42	40	50	36	30	29	34	40	40	27	24	28	36	35.0
Black Moshannon.....	Maximum....	61	57	53	49	52	50	50	46	49	51	31	45	11	23	42	60	59	58	62	67	62	38	32	40	41	46	30	32	36	33	45.5
	Minimum....	28	32	28	25	30	30	26	25	19	31	24	27	18	10	9	24	30	27	23	58	27	19	25	32	34	22	18	18	26	26	25.7
Bloomsburg(near).....	Maximum....	63	57	53	49	52	50	50	46	49	51	31	45	11	23	42	60	59	58	62	67	62	38	32	40	41	46	30	32	36	33	51.8
	Minimum....	43	27	32	22	18	41	26	36	25	47	30	24	29	19	11	18	19	42	22	38	38	19	16	32	40	40	21	21	18	30	28.2
Blue Mt. Interchange ³	Maximum....	66	58	62	68	66	66	62	62	64	61	43	48	53	34	47	60	61	67	64	77	74	56	46	54	64	52	44	56	58	52	56.6
	Minimum....	41	35	40	30	24	42	36	40	32	42	27	30	25	22	16	23	32	52	36	48	56	26	34	32	40	29	24	22	24	26	33.2
Bradford.....	Maximum....	57	50	44	43	60	49	52	54	53	59	46	34	41	25	50	59	55	58	60	63	60	35	36	43	42	46	40	20	34	36	50.8
	Minimum....	35	29	32	29	33	44	31	38	18	46	28	25	24	16	8	25	36	40	26	56	35	22	17	34	39	28	21	18	30	29	29.6
Breezewood Intchg ³	Maximum....	60	62	44	48	50	52	52	66	50	61	38	46	48	30	46	62	68	66	66	74	64	46	36	42	44	50	34	40	38	40	50.5
	Minimum....	34	32	34	22	34	42	40	36	30	38	26	30	24	18	14	26	34	40	34	54	40	24	32	34	31	26	20	20	30	26	30.8
Brookville ⁵	Maximum....	50	52	41	45	52	51	54	50	55	63	34	47	45	26	52	62	59	60	61	69	63	41	39	42	42	47	39	35	38	36	48.0
	Minimum....	31	36	33	26	32	31	28	26	23	31	28	27	19	12	9	24	32	28	26	58	29	25	29	39	28	28	21	23	28	28	27.9
Burnt Cabins(near) ³	Maximum....	60	60	48	52	50	54	51	56	52	63	40	47	46	30	46	61	70	65	64	73	61	44	36	42	44	52	35	42	37	44	51.0
	Minimum....	31	29	32	22	22	41	38	34	32	38	24	29	26	18	12	20	28	35	28	50	40	26	32	34	33	24	19	19	28	23	28.9
Butler.....	Maximum....	64	63	53	43	56	54	55	57	55	54	64	44	38	36	45	64	59	69	64	69	67	60	45	46	47	50	45	35	39	40	52.2
	Minimum....	40	40	34	29	30	49	30	35	26	42	29	31	19	20	27	35	39	49	30	50	50	27	30	39	39	27	22	21	29	28	33.2
Carlisle.....	Maximum....	66	60	54	60	56	55	56	54	56	63	56	52	51	49	47	50	64	70	68	77	72	46	40	43	53	55	50	41	33	49	64.4
	Minimum....	52	33	39	30	28	23	36	45	28	50	35	25	35	19	24	21	48	31	43	46	28	30	33	42	31	28	23	23	31	31	32.9
Chambersburg.....	Maximum....	64	62	52	52	53	55	57	59	55	64	48	49	52	35	46	60	69	70	66	78	68	48	39	43	52	51	49	45	35	47	54.1
	Minimum....	48	34	40	29	24	45	40	44	32	48	32	30	24	20	24	28	50	33	49	48	30	33	35	42	30	24	32	27	34	34	34.6
Claysville ²	Maximum....	53	54	43	48	57	53	52	52	66	65	40	49	43	31	60	66	64	65	64	73	61	46	48	46	45	49	27	43	41	40	51.4
	Minimum....	40	34	31	22	21	28	33	31	32	31	27	26	28	18	15	23	39	51	37	46	59	29	27	38	36	30	22	16	20	30	30.7
Coatesville.....	Maximum....	61	61	55	47	55	60	56	55	56	66	57	43	56	34	44	56	65	66	76	73	43	37	47	51	59	50	38	46	44	51	54.0
	Minimum....	45	33	40	33	26	43	39	46	36	48	33	28	32	25	20	27	34	44	39	45	43	29	30	36	43	43	29	24	24	31	34.9
Coudersport.....	Maximum....	62	52	45	45	49	50	59	54	53	57	42	38	40	28	47	60	55	60	61	65	61	39	35	44	48	46	40	50	34	32	48.5
	Minimum....	39	28	31	29	25	41	30	39	20	40	30	20	23	11	20	22	28	41	24	50	34	21	18	32	20	18	12	16	15	8	25.8
Derry.....	Maximum....	67	56	46	55	55	56	55	53	60	66	46	44	53	48	61	66	64	66	66	72	67	50	47	17	13	54	34	36	44	41	53.9
	Minimum....	41	38	35	28	38	49	39	45	34	43	29	30	27	17	12	30	40	51	34	62	47	28	38	41	39	29	23	21	30	32	35.3
Eagles Mere.....	Maximum....	64	50	45	40	44	50	53	45	48	54	35	37	35	26	36	53	56	55	58	65	52	35	40	43	42	47	32	33	32	33	41.6
	Minimum....	50	33	31	28	28	29	32	32	30	28	27	23	22	13	10	13	28	37	38	38	49	20	20	23	37	36	23	15	15	26	27.8
Ebensburg ²	Maximum....	47	52	39	44	48	48	47	53	57	55	45	38	24	55	62	62	59	64	66	60	38	36	42	38	45	23	35	38	36	46.2	
	Minimum....	38	30	32	25	25	31	32	32	35	36	30	25	26	14	11	17	37	39	32	37	58	24	25	34	36	27	21	11	20	28	28.9
Edinboro.....	Maximum....	50	47	42	45	50	60	52	50	57	60	38	37	46	27	48	50	55	57	58	65	63	37	39	43	42	43	35	32	34	35	46.5
	Minimum....	39	36	33	33	31	40	27	34	35	37	28	28	24	20	13	38	45	37	29	57	35	30	27	27	39	30	21	25	25	31	31.6
Emporium ²	Maximum....	71	55	45	50	62	.....	52	58	59	48	47	46	44	47	60	42	66	65	69	48	43	38	45	46	.....	.....	.....	.....	.....	.....	52.4 ^c
	Minimum....	30	37	29	22	23	.....	26	31	32	28	29	27	14	15	20	25	32	34	47	26	19	20	35	.....	.....	.....	.....	.....	.....	.....	27.4 ^c
Ephrata.....	Maximum....	65	65	56	54	56	59	61	65	60	55	58	46	53	35	48	59	69	68	68	74	69	49	39	47	52	59	52	41	43	49	55.8
	Minimum....	51	33	40	30	27	48	38	46	31	49	35	29	33	24	19	27	28	62	31	47	46	29	30	33	43	30	23	25	32	35	35.1
Erie ³	Maximum....	52	49	41	48	56	53	50	49	63	65	40	50	46	31	55	65	61	55	63	65	46	38	42	40	46	46	35	35	38	37	43.0
	Minimum....	45	39	39	40	41	40	39	34	35	36	33	35	25	26	25	50	51	47	43	46	36	30	41	41	35	25	28	30	33	36.7	

Daily Temperatures for November, 1942 (Continued from page 76)

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Midland.....	Maximum.....	60	67	48	48	57	54	59	55	63	66	44	43	52	32	55	64	62	64	72	68	56	48	50	47	50	40	40	40	40	40	53.2
Minimum.....	43	42	34	43	33	45	34	48	33	43	31	30	28	23	21	33	40	48	40	42	40	30	87	43	39	33	24	23	33	33	35.5	
Montrose ²	Maximum.....	56	53	46	42	17	50	56	49	60	55	35	41	38	22	38	57	62	55	57	67	47	40	43	40	48	37	31	34	34	45.8 ^a	
Minimum.....	51	33	34	27	27	33	32	28	28	30	24	26	15	0	14	30	38	38	38	46	46	20	21	34	37	27	19	18	20	28.1 ^a		
Mt. Lebanon.....	Maximum.....	55	57	42	47	55	52	52	52	62	69	41	46	49	31	60	66	64	64	63	69	65	45	45	45	52	32	10	39	40	61.1	
Minimum.....	40	39	32	30	35	40	36	43	33	36	27	28	26	18	19	42	49	48	40	58	39	29	38	49	34	32	21	20	32	30	34.5	
Mt. Pocono.....	Maximum.....	62	45	42	46	46	42	53	48	42	50	42	32	26	24	43	62	67	69	60	68	63	55	33	40	40	46	40	36	33	33	45.9
Minimum.....	42	28	30	25	20	30	33	35	25	38	30	20	24	10	8	24	37	47	30	43	35	19	17	27	35	35	25	14	20	23	27.6	
Neshaminy Falls.....	Maximum.....	69	62	60	50	52	60	59	66	66	67	61	45	51	48	37	56	64	67	65	76	74	63	47	49	61	56	50	40	46	48	66.1
Minimum.....	38	29	41	27	22	40	45	38	31	46	58	26	34	26	18	16	25	42	28	38	51	38	23	37	45	46	38	20	34	28	34.2	
New Castle.....	Maximum.....	59	54	48	51	55	63	60	54	62	65	44	42	51	30	63	67	67	65	65	72	72	48	48	46	49	50	50	40	43	38	63.6
Minimum.....	40	40	21	29	31	48	28	47	28	44	31	31	28	21	19	24	41	46	31	50	43	26	34	42	39	35	24	22	32	29	33.5	
Newell ³	Maximum.....	72	52	43	50	56	53	59	51	64	66	38	46	51	28	61	67	64	66	73	67	69	50	46	43	51	28	41	42	46	63.8	
Minimum.....	37	38	35	28	24	44	38	37	49	38	31	33	28	22	22	40	38	40	39	68	43	39	42	39	33	28	24	24	33	30	35.3	
Palmerton ³	Maximum.....	65	63	62	53	51	60	59	59	65	44	44	60	33	44	61	66	67	69	76	66	49	36	43	61	69	46	39	41	46	63.5	
Minimum.....	34	31	34	26	23	45	32	34	29	42	31	29	26	21	20	24	26	37	31	62	33	24	21	35	43	46	26	22	23	27	30.9	
Philadelphia Airport Station ⁵	Maximum.....	63	65	54	19	59	60	57	57	60	70	46	47	55	35	41	57	67	67	67	73	73	46	42	50	53	58	48	41	45	46	55.1
Minimum.....	39	34	39	30	32	45	42	43	37	45	31	31	30	24	19	30	33	42	38	50	41	33	36	41	45	47	27	23	30	33	35.7	
City Office ³	Maximum.....	64	61	54	52	67	69	58	67	58	68	47	54	37	44	57	65	68	66	73	71	47	43	50	53	57	51	41	45	49	55.2	
Minimum.....	49	44	42	39	37	50	41	49	42	47	37	35	32	28	27	37	42	53	51	52	42	33	37	41	46	49	28	26	36	38	40.4	
Franklin Institute ²	Maximum.....	63	64	54	50	58	59	60	57	61	68	44	49	53	35	44	56	65	66	66	73	71	56	45	51	52	54	43	40	45	47	55.1
Minimum.....	54	45	42	37	37	38	44	43	35	45	41	35	38	28	24	25	39	46	45	49	64	32	48	36	45	45	37	26	28	26	38.4	
Shawmont.....	Maximum.....	69	64	61	51	56	60	58	56	57	68	62	57	57	66	47	56	65	66	66	76	74	54	45	60	62	58	64	40	46	46	57.6
Minimum.....	53	33	42	31	26	46	39	47	34	47	40	28	32	26	20	27	32	30	33	44	53	80	29	29	44	47	36	24	27	32	36.0	
Phoenixville.....	Maximum.....	76	68	65	57	60	65	66	60	61	74	65	51	60	61	50	65	74	73	72	82	79	59	48	49	60	63	60	45	52	51	62.0
Minimum.....	54	28	41	27	21	42	34	45	28	40	38	25	28	25	16	22	25	52	27	40	53	27	23	36	44	46	32	21	21	28	32.9	
Pittsburgh Arpt Sta. ³	Maximum.....	52	62	43	47	55	53	52	51	61	64	37	49	49	28	60	64	64	63	63	72	65	46	44	45	42	49	32	40	40	40	50.7
Minimum.....	41	37	34	33	34	39	37	43	34	33	28	30	22	18	21	42	49	49	43	58	37	28	37	40	33	32	21	20	31	41	34.5	
Pittsburgh City Office ³	Maximum.....	58	56	46	48	56	55	55	52	63	66	41	51	51	32	60	66	65	63	64	74	67	46	47	49	46	52	34	40	42	41	52.7
Minimum.....	44	41	37	37	36	41	39	40	36	36	32	34	24	24	26	44	54	46	43	62	39	32	40	43	37	34	25	25	34	34	37.3	
Port Clinton.....	Maximum.....	68	60	69	50	61	58	57	58	59	64	61	41	47	42	42	43	60	63	62	72	72	50	41	47	51	55	56	36	42	48	63.8
Minimum.....	50	31	39	27	22	44	37	42	27	47	35	28	34	24	15	23	24	47	28	44	47	28	44	38	43	46	32	19	24	29	33.1	
Pymatuning Dam ²	Maximum.....	54	48	43	48	54	50	67	51	62	56	36	49	35	35	67	63	64	57	60	62	70	43	29	43	44	47	46	29	38	37	48.3
Minimum.....	37	35	32	31	32	33	26	26	22	29	28	29	20	15	18	36	38	32	35	41	27	30	32	38	31	22	21	25	28	29	29.2	
Quakertown.....	Maximum.....	65	60	56	47	54	59	55	53	60	67	62	68	60	36	41	55	64	64	63	72	66	46	45	46	50	55	52	37	43	44	54.2
Minimum.....	49	27	37	30	20	41	36	43	26	42	30	27	30	27	17	22	23	27	29	39	44	25	22	32	40	44	30	21	20	30	30.8	
Reading ³	Maximum.....	63	62	53	53	65	59	68	63	67	66	45	47	51	35	46	59	68	66	67	75	67	44	39	47	52	60	46	39	43	47	54.1
Minimum.....	48	37	40	34	29	48	41	43	34	44	33	32	29	25	23	31	34	45	39	56	38	32	32	39	44	46	27	25	29	30	36.1	
Ridgway ²	Maximum.....	54	54	45	49	63	52	68	64	59	60	39	47	36	26	53	64	60	68	63	74	54	42	39	43	48	49	27	33	37	34	49.1
Minimum.....	41	27	35	24	24	25	31	29	23	22	29	28	27	15	7	6	22	31	27	28	53	20	20	26	38	28	23	20	20	29	25.9	
Scranton ³	Maximum.....	63	57	48	45	53	58	57	48	56	62	43	43	46	27	43	58	64	58	60	70	64	37	44	46	45	56	41	36	40	38	50.1
Minimum.....	36	33	37	32	31	44	36	39	30	43	33	31	24	21	19	27	32	40	35	51	32	26	22	37	42	43	28	23	27	30	32.8	
Selingsgrove.....	Maximum.....	63	58	58	49	52	53	65	56	62	62	45	57	34	43	57	63	62	68	76	73	48	41	42	51	53	36	40	39	45	53.2	
Minimum.....	38	32	39	27	21	43	33	43	29	46	36	24	32	17	20	22	23	46	27	46	41	24	23	33	43	31	26	19	21	30	31.3	
Sharon.....	Maximum.....	61	61	50	51	56	56	59	59	64	65	42	50	53	31	59	67	66	58	61	73	73	42	45	47	45	48	41	41	41	37	53.2
Minimum.....	42	43	38	33	37	37	32	37	30	36	31	33	26	23	38	52	42	35	59	35	31	34	44	37	36	25	26	33	29	29	35.2	
Somerset.....	Maximum.....	65	54	44	49	48	51	49	49	50	68	39	42	46	26	58	64	65	61	66	69	65	45	38	42	39	46	39	39	42	40	49.6
Minimum.....	38	29	32	24	29	44	40	42	29	39	24	28	25	15	15	23	26	48	33	64	45	30	32	35	34	26	20	17	26	29	31.0	
Springs.....	Maximum.....	60	61	40	43	47	50	49	51	46	67	36	42	45	23	65	61	62	68	63	66	62	44	36	39	35	48	36	37	42	39	47.4
Minimum.....	32	27	30	23	25	39	41	40	29	35	22	28	23	14	7	27	30	39	39	52	43	31	30	33	31	27	14	15	21	25	29.1	
State College ³	Maximum.....	66	56	44	45	49	51	54	48	52	60	36	50</																			

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION.

L. F. CONOVER

HARRISBURG, PA.

VOL. XLVII.

DECEMBER, 1942.

No. 12.

GENERAL SUMMARY.

The average temperature was the lowest obtained for any December since 1935, and the average daily excess accumulated during the year was reduced to 0.3°. The deficiency for the month was greater than in any month since March, 1941. Highest temperatures occurred on various dates in the eastern portion but were reported generally about the 29th by western stations. Lowest temperatures were commonly reported about the 21st, when the majority of stations reported readings below zero. At several mountain stations, principally in central Pennsylvania, new record minima for the month were established. One death by freezing was reported at Clarion, Clarion County, on the 7th.

Precipitation was above normal for the 6th consecutive month and the surplus, accumulated during the year, rose to 5.80 inches. The average was the 3d highest obtained for any December in the period of record, and was the highest since 1902. Much of the precipitation in the early part of the month fell in the form of snow. Traffic was delayed and many accidents resulted. Utilities reported some difficulty in maintaining their services. In the Pittsburgh area, seven deaths resulted indirectly from snow and slippery conditions on the 14th. Sleet was reported on various days.

During the period December 27-30, a combination of steady rains, which reached excessive rates at scattered points, and relatively high temperatures, which melted the snow cover, caused rivers throughout the State to overflow their banks. All areas were flooded to some extent, but western rivers were affected most, reaching crests higher than any since the floods of March, 1936. One death by drowning occurred. Highways and railroads were inundated and traffic was detoured. Many families evacuated their homes and relief agencies were called into action. Most serious loss resulted from the fact that many industries were compelled to discontinue operations until the floods had subsided. Eastern localities were affected least by the floods, as streams crested only slightly above flood stages. Timely warnings and precautions kept losses at a minimum. As the storm drew to a close, the form of precipitation changed from rain to freezing rain or snow. Lower temperatures served to retard the rise of the rivers.

Glaze was reported several times during the month, but was most general on the 22d, when a light coating created hazardous road conditions throughout the State. On the 30th, freezing rain, confined principally to the Northeast section, created serious difficulty for utility companies when ice accumulated on wires to a thickness of about three inches.

High winds were reported generally during the early days of the month. Thunderstorms were reported at some stations in the extreme southeast early in the month. G. W. S

TEMPERATURE.

The mean temperature for the State, as determined from the reports of 74 stations, was 27.4°, which is 4.0° below the 55-

year normal for December. The highest monthly mean was 34.2° at Marcus Hook, Delaware County, and the lowest was 20.8° at Gouldsboro, Wayne County. Extremes ranged from a maximum of 62° at Lycippus, Westmoreland County, on the 29th, to a minimum of -25° at Somerset, Somerset County, on the 21st.

PRECIPITATION.

The average precipitation for the State, as determined from the observations at 185 stations, was 5.05 inches, which is 1.93 inches above the 55-year normal for December. The greatest monthly amount was 6.76 inches, measured on the recording gage at Pikes Creek, Luzerne County, and the least was 2.08 inches at Erie, Erie County. The greatest amount recorded in any 24 consecutive hours was 2.60 inches at Blakeslee Corner, Monroe County, on the 29-30th.

The average snowfall for the State was 11.5 inches, which is 3.8 inches above the 55-year normal. The greatest monthly snowfall was 34.2 inches at Warren, Warren County. The greatest fall for any observational day was 10.0 inches at DuBois, Clearfield County, on the 18th.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average ^a	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888.....	32.5	62	-10	3.14	5.2	9	8	8	15
1889.....	39.6	73	0	2.77	0.9	12	11	9	11
1890.....	27.2	59	-11	3.97	29.4	12	7	8	16
1891.....	38.4	68	-3	4.09	0.3	10	12	8	11
1892.....	27.8	70	-13	1.69	5.7	9	7	9	15
1893.....	32.2	70	-7	3.06	9.4	12	6	11	14
1894.....	32.4	66	-28	3.95	11.9	10	10	9	12
1895.....	34.2	70	-10	3.22	2.3	7	10	9	12
1896.....	30.6	67	-13	1.20	5.4	6	10	9	12
1897.....	33.0	73	-6	3.95	9.6	12	6	8	17
1898.....	29.8	68	-11	2.98	8.7	10	10	8	13
1899.....	31.5	73	-11	3.04	4.4	10	10	11	11
1900.....	31.2	65	-2	2.08	3.9	7	8	9	14
1901.....	29.1	77	-18	5.91	7.6	11	7	9	15
1902.....	28.4	68	-12	5.54	17.3	14	7	7	17
1903.....	25.4	60	-14	2.66	13.2	9	8	9	14
1904.....	25.8	71	-19	2.48	14.4	11	7	7	17
1905.....	33.6	65	-5	3.57	2.2	8	10	7	14
1906.....	30.8	67	-14	3.97	7.6	14	5	5	21
1907.....	33.2	68	-8	4.30	9.8	12	7	8	16
1908.....	32.0	74	-2	2.86	9.4	10	9	8	14
1909.....	27.0	71	-10	3.39	12.7	8	9	8	14
1910.....	21.4	68	-14	2.65	16.0	12	8	6	17
1911.....	36.3	70	5	3.27	5.4	13	7	5	19
1912.....	34.4	74	-8	3.27	8.1	9	9	7	15
1913.....	34.2	66	-7	2.63	7.2	8	9	7	15
1914.....	27.3	69	-28	4.63	13.0	14	8	5	18
1915.....	29.4	70	-7	4.06	13.7	12	6	8	17
1916.....	29.7	73	-12	3.07	10.5	12	11	9	11
1917.....	21.5	52	-28	1.78	15.0	8	10	8	13
1918.....	36.6	72	-1	3.38	3.0	11	9	7	15
1919.....	25.3	66	-23	2.61	9.4	11	9	8	14
1920.....	33.4	68	-7	3.28	3.8	10	7	9	15
1921.....	31.6	66	-11	2.59	7.2	10	8	8	15
1922.....	31.5	69	-9	2.75	7.1	10	10	8	13
1923.....	39.6	71	1	4.99	2.4	14	9	7	15
1924.....	39.8	69	-23	2.13	3.6	11	7	7	17
1925.....	30.7	62	-15	1.72	3.8	10	8	7	16
1926.....	27.3	62	-20	2.58	10.0	12	8	7	16
1927.....	32.7	73	-6	4.41	4.5	13	9	6	16
1928.....	24.1	68	-2	1.16	0.9	6	13	7	11
1929.....	32.2	70	-9	2.77	10.0	12	7	6	18
1930.....	30.0	59	-15	2.29	6.8	10	6	7	18
1931.....	38.1	70	-1	2.85	1.1	11	10	6	15
1932.....	33.3	72	-14	2.19	7.4	12	10	6	15
1933.....	31.7	74	-22	2.88	8.7	12	9	7	15
1934.....	30.7	73	-10	2.55	3.0	10	9	8	14
1935.....	26.3	60	-19	2.62	13.5	16	5	7	19
1936.....	34.5	74	-11	4.19	6.3	11	11	6	14
1937.....	29.7	66	-14	2.45	5.7	10	10	5	16
1938.....	32.2	64	-5	2.56	4.7	11	8	7	16
1939.....	33.9	68	-8	2.24	6.0	11	7	6	18
1940.....	35.9	68	-9	3.08	3.1	12	7	7	17
1941.....	35.6	76	-8	3.10	2.0	10	6	8	17
1942.....	27.4	62	-25	5.05	11.5	14	6	7	18
Period	31.4	77	-28	3.12	7.7	11	8	8	15

Climatological Data for December, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation 0.1 in or more	Clear	Pt. cloudy	Cloudy		
Atlantic Drainage																				
Allentown.	Lehigh.	254	30	28.8	-3.5	54	1	-4	21	5.18	+1.67	1.20	30	6.4	12	6	12	13	sw.	Allentown-Bethlehem Gas Co.
Altoona (near).	Blair.	1,615	55	25.7	-4.4	41	24	-12	21	5.48	+2.74	1.53	30	22.7	18	8	13	10	w.	City of Altoona.
Bedford.	Bedford.	1,120	10	28.0	-5.1	48	1	-14	21	3.84	+1.14	0.95	30	8.0	13	6	1	24	sw.	Charles C. Lee.
Bethlehem.	Northampton.	364	56	28.6	-5.1	54	2	-2	21	5.90	+2.62	1.61	30	10.8	15	5	5	21	sw.	Lehigh University.
Bloomsburg (near).	Columbia.	610	16	25.2	.....	45	17	-23	21	5.58	.....	2.30	30	7.0	9	10	8	13	nw.	Benjamin F. Conner.
Burnt Cabins (near).	Huntingdon.	990	1	27.3	.....	46	24	1	20	3.13	.....	0.89	28	7.1	15	5	6	20	se.	Penna. Turnpike Comm.
Carlisle.	Cumberland.	473	73	29.4	-2.4	47	12	-5	21	5.08	+1.98	1.47	30	8.5	11	12	6	13	sw.	Clarence E. Miller.
Chambersburg.	Franklin.	690	45	30.4	-2.9	46	24	-3	21	4.72	+1.76	1.72	30	9.0	15	6	9	16	ne.	William B. Spear.
Coatesville.	Chester.	431	55	29.7	-3.2	52	2	-1	21	4.75	+0.76	1.28	28	7.3	13	5	6	20	nw.	Howard L. Pyle.
Eagles Mere.	Sullivan.	2,020	1	21.1	.....	44	30	-13	21	5.43	.....	1.60	30	12.3	9	4	10	17	n.	Carl E. Birger.
Emporium.	Cameron.	1,033	57	24.8	-4.6	41	10	-18	21	5.20	+1.98	1.80	30	.....	11	4	3	24	w.	E. M. Poorman.
Ephrata.	Lancaster.	365	45	30.8	-2.1	51	2	-2	21	4.78	+1.66	1.43	30	4.5	14	7	7	17	sw.	Ira J. Keath.
Freeland.	York.	1,970	49	22.6	-4.8	40	28	-12	20	6.43	+2.51	1.83	30	8.6	12	5	1	25	w.	Andrew B. Evansha.
Gettysburg.	Adams.	553	69	30.8	-2.0	45	12	-14	21	4.36	+1.20	0.97	30	4.8	13	8	9	14	w.	Dr. Henry Stewart.
Gordon.	Schuylkill.	900	38	27.2	-2.4	49	2	-8	21	5.57	+1.85	1.50	30	8.0	12	10	5	16	w.	Miss Sallie M. Johnson.
Hanover.	York.	600	38	29.7	-5.1	46	17	-5	21	4.42	+1.37	1.75	30	5.0	15	7	5	19	sw.	Evening Sun.
Harrisburg Airport.	York.	351	73	30.5	-2.2	48	24	2	21	5.04	+2.02	1.82	29-30	7.8	16	7	9	15	w.	U. S. Weather Bureau.
Hawley.	Wayne.	900	24	21.6	-4.1	45	2	-14	21	5.65	+2.58	1.50	30	11.0	12	11	9	11	w.	Mrs. Della M. Pennell.
Holtwood.	Lancaster.	200	27	31.6	-3.2	50	2	4	21	3.86	+1.18	1.90	30	4.0	14	8	6	17	nw.	Penna. Water & Power Co.
Huntingdon.	Huntingdon.	700	55	27.3	-4.5	46	24	-16	22	5.40	+2.48	1.89	30	9.0	14	4	8	19	nw.	Prof. Paul R. Yoder.
Lancaster.	Lancaster.	255	56	30.4	-2.8	52	2	4	21	4.27	+1.08	1.22	30	3.5	13	9	8	14	nw.	Lancaster Water Bureau.
Lawrenceville.	Tioga.	996	45	25.5	-3.3	41	11	-16	21	1.06	+2.08	1.92	30	11.0	8	4	8	19	n.	Carlos P. Darling.
Lebanon.	Lebanon.	469	58	28.2	-4.0	51	1	-4	21	5.39	+2.05	1.78	30	6.5	12	12	9	10	uw.	Lebanon Valley Gas Co.
Lewistown.	Mifflin.	467	4	30.4	.....	46	24	-4	21	5.34	.....	1.81	30	8.5	12	4	5	22	ne.	Penna. Edison Co.
Lock Haven.	Clinton.	557	52	27.0	-4.4	42	11	-8	21	5.01	+2.16	2.18	30	8.0	11	6	5	20	ne.	William R. Kelley.
Marcus Hook.	Delaware.	12	16	34.2	-5.0	57	2	4	20	4.71	+1.92	1.55	30	4.6	12	16	3	12	sw.	Sun Oil Co.
Montrose.	Susquehanna.	1,176	37	21.2	-5.4	43	1	-18	21	5.93	+3.36	1.61	30	20.5	13	8	5	18	nw.	Harry S. Fancher.
Mt. Pocono.	Monroe.	1,720	36	22.6	-3.3	41	11	-12	20	6.15	+2.89	2.00	30	13.0	8	14	1	16	w.	Cecil J. Hoskinson.
Neshaminy Falls.	Bucks.	80	53	29.8	-2.6	54	30	-1	21	.....	.....	.....	.....	5.2	.....	13	2	16	w.	Phil. Suburban Water Co.
Palmerton.	Carbon.	455	24	28.6	-3.3	51	2	-5	21	4.74	+1.83	1.12	30	5.1	13	7	5	19	w.	New Jersey Zinc Co.
Philadelphia City Office.	Philadelphia.	26	71	32.7	-3.6	57	2	-2	20	4.22	+0.79	1.44	28-29	5.2	15	5	12	14	nw.	U. S. Weather Bureau.
Phillipsburg.	Centre.	1,916	1	22.0	.....	38	10	-13	21	5.97	.....	2.26	29-30	25.2	13	1	9	21	w.	U. S. Weather Bureau.
Phoenixville.	Chester.	100	32	32.0	-1.8	58	2	-2	21	5.37	+1.68	1.40	29	5.5	14	10	7	14	w.	Phil. Suburban Water Co.
Port Clinton.	Schuylkill.	407	4	28.5	-3.6	45	30	-4	21	5.72	+2.11	1.90	30	8.0	12	14	10	7	n.	Earl E. Rarick.
Quakertown.	Bucks.	450	57	27.2	-4.2	54	2	-9	21	5.76	+1.80	1.56	30	10.9	12	8	6	17	w.	John E. Benner.
Reading.	Berks.	273	72	30.6	-3.6	53	2	0	21	5.09	+1.58	1.90	29-30	6.6	15	7	7	17	nw.	U. S. Weather Bureau.
Scranton.	Lackawanna.	746	48	26.6	-4.1	49	2	-10	20	4.74	+1.72	1.84	29-30	8.3	12	2	14	15	sw.	U. S. Weather Bureau.
Selinsgrove.	Snyder.	476	52	27.8	-4.0	46	2	-8	21	5.57	+2.56	1.94	30	6.8	12	14	2	15	w.	Dr. George E. Fisher.
State College.	Centre.	1,217	58	26.8	-3.2	41	11	-6	21	4.75	+2.08	1.19	29	12.4	17	5	8	18	nw.	Penna. State College.
Stroudsburg.	Monroe.	440	28	26.8	-3.8	54	1	-11	21	5.63	+2.27	2.19	30	7.0	11	5	8	18	w.	Metropolitan Edison Co.
Towanda.	Bradford.	754	48	25.8	-3.3	45	2	-11	21	3.94	+1.75	1.64	30	10.4	11	6	10	15	sw.	Mrs. M. Ordella Parks.
Wellsboro.	Tioga.	1,319	72	23.4	-4.6	41	11	-19	21	4.12	+1.98	1.87	30	10.5	11	5	13	13	sw.	M. S. Bliss.
West Chester.	Chester.	440	93	30.3	-3.1	52	2	-1	21	4.88	+1.08	1.29	30	9.5	10	8	10	13	nw.	Glyde T. Saylor.
Wilkes-Barre.	Luzerne.	544	4	25.6	.....	50	1	-15	21	.....	.....	1.37	29	7.9	13	3	12	16	sw.	U. S. Communication Sta.
Williamsport.	Lycoming.	550	56	28.4	-2.5	43	2	-3	21	4.64	+1.75	1.71	30	8.5	12	6	10	15	w.	John D. McEwen.
Williamstown.	Dauphin.	1,275	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Susquehanna Collieries.
York.	York.	400	54	31.8	-1.6	49	2	-6	21	3.92	+0.99	1.12	30	5.0	14	9	7	15	w.	York Water Co.
Division mean.				27.8	-3.6	58	2	-23	21	4.99	+1.87	2.60	29-30	8.8	13	7	7	17	w.	
Ohio Drainage																				
Bradford.	McKean.	1,680	1	23.5	.....	40	29	-18	21	5.23	+2.06	1.58	29	19.0	16	2	7	22	e.	City Water Dept.
Brookville.	Jefferson.	1,400	52	24.7	-3.5	43	28	-13	20	5.50	+2.48	1.33	29	.....	18	.....	.....	.....	.....	Civil Aeronautics Auth'y.
Butler.	Butler.	1,077	29	28.2	-3.6	57	29	-10	21	4.68	+1.67	1.00	30	17.0	16	4	13	14	w.	Butler Eagle.
Claysville.	Washington.	1,170	37	26.2	-6.8	60	28	-12	21	6.20	+3.24	1.94	30	12.3	16	4	8	19	sw.	Walter B. Paget.
Coudersport.	Potter.	1,653	15	22.2	-5.0	40	8	-20	21	3.67	+0.91	1.09	30	28.0	17	4	2	25	sw.	Philip R. Shaw.
Derry.	Westmoreland.	1,150	45	29.5	-2.9	61	29	-10	21	4.89	+1.59	1.42	30	13.1	19	10	4	17	w.	Miss N. Dixie Wineman.
Ebensburg.	Cambria.	2,170	25	23.0	-6.1	48	28	-8	21	4.76	+1.78	1.60	30	24.2	16	3	7	21	w.	Miss Claire K. Oliver.
Edinboro.	Erie.	1,220	10	25.6	-2.5	47	29	-2	20	4.93	+1.56	1.16	30	.....	20	1	4	26	se.	Wallace J. Snyder.
Franklin.	Venango.	987	68	28.0	-1.6	49	29	-1	21	4.56	+1.38	1.74	30	14.0	16	4	5	22	w.	William K. Fuller.
Greensburg.	Westmoreland.	1,166	33	29.2	-4.0	58	29	-7	21	5.67	+2.62	1.83	30	13.0	19	2	13	16	sw.	Westmoreland Water Co.
Grove City.	Mercer.	1,350	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Prof. H. W. Harmon.
Indiana.	Indiana.	1,300	41	27.0	-4.1	55	28	-11	21	5.90	+2.57	2.02	30	16.8	16	5	5	21	w.	Indiana State Teachers Col.
Johnstown.	Cambria.	1,650	60	26.8	-5.9	45	28	-10	21	5.39	+1.62	1.02	30	23.0	21	5	11	15	sw.	Robert Tross.
Kane.	McKean.	1,938	9	21.1	-5.8	41	28	-22	20	6.35	+2.96	1.11	29	28.6	20	1	5	25	sw.	U. S. Airway Station.
Meadville.	Crawford.	1,065	48	2																

Daily Precipitation for December, 1942

Stations	Counties	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATLANTIC DRAINAGE																																	
Delaware Basin																																	
UPPER DELAWARE																																	
Dingmans Ferry ²	Pike	1.36	.05											.14	T.	.05		.18	.05										.70	.53	1.05	.56	5.64
Hawley ²	Wayne	.90	T.								T.			.19	.10	.10	T.	.21	.04	T.				.03			.03		.93	.73	1.60	.89	5.65
Hollisterville ²	Wayne	1.18	.11		.01	T.								.13	.16	.08	T.	.21	T.				.07						.85	.77	1.55	1.29	6.41
Matamoras ²	Pike	1.47												.05	.25	.11		.23											.62	.73	1.16	.76	5.28
Mount Pocono	Monroe	.20	1.70			T.					T.			.40			.30		T.								T.	1.20	.25	2.00	.10	6.15	
Pumpack ²	Pike	.85				.04									.25		.12		.30	.05							.02		.90	.55	1.85	.80	5.73
Pleasant Mount ¹	Wayne	1.29	.41											.20		.07	*	*	*	*	*	.33											\$
Stroudsburg ²	Monroe	1.23	T.			T.					T.			*	.26		.08		.21				.08			.03			1.20	.34	2.19	.01	5.63
Tanners Falls ¹	Wayne	.70	.44											.18		.05	.01	.22	.03			.02	.11				.03	.08	1.16	1.04	1.69		6.03
LEHIGH																																	
Allentown ²	Lehigh	.74	T.			.04					.08			.09	T.	.11		.18						.17	.07		.03	.04	.71	.81	1.20	.98	5.18
Bethlehem ¹	Northampton	.81	.06			.03				.17				.22		.05	.06	.27					.17	.07		.03	T.	.05	1.42	.88	1.61		5.90
Blakeslee Corners ¹	Monroe	1.10	.34											.26		.07	.04	.13	.04	.01			.05	.15		.07		.02	1.11	1.04	1.69		6.12
Gouldsboro ²	Wayne	1.18	T.			T.								.20	.11		.06		.27	.09	T.			.06					.64	.55	1.38	1.03	5.57
Lausford ²	Carbon	*	1.25			.04				.05				.24		.15	.30						.20						.85	.62	1.83	.66	6.19
Mauch Chunk	Carbon		1.32			.06				T.		T.		.28		.06		.27	T.				.21			T.			1.18	.45	2.14	.20	6.17
Merwin-burg ²	Monroe																																
New Tripoli ¹	Lehigh	.13	.98		T.	.02				T.				.15		.06		.19	T.				.18			T.			1.11	.96	1.41	.04	5.23
Palmerston ¹	Carbon	.91	.17			.02				T.				.12		.02	.02	.16	.01				.14				*	1.36	.69	1.12		4.74	
Zionsville ¹	Lehigh	*	.61			*				.29				.46			*		.15					.02		.06			.34	1.60	1.82	.03	5.65
SCHUYLKILL																																	
Conshohocken	Montgomery	.43				.12				.27				.20			T.	.19					.16					1.31	1.08	.64		4.40	
Fredericksville ²	Berks	.85	T.			.05				.05				.09		.10		.20	T.				.39			.04			.73	.78	1.54	.36	5.18
Freeland ²	Luzerne	T.	1.50	T.		T.	.06			T.		T.		.26	.04		.14		.20			.20		.22		.06			.62	.75	1.83	.75	6.43
Gratersford	Montgomery	.17	.67			.07				.31				.25				.21				.24							.82	.91	2.00	.16	5.81
Phoenixville ²	Chester	.95	.01			.02				.02	.21			.14		T.	.03	.14	T.	T.	T.		.21		.13		.13		.28	1.40	1.16	.64	5.37
Port Clinton	Schuylkill	.10	1.02			.05				T.				.15		.10		.50				.30		.08		.08		.88	.62	1.90	.12	5.72	
Pottstown ²	Montgomery	.68	.01			.03				T.	.17			.10	T.		.02	.14				.04		.09		.09		.25	.58	.77	.33	3.21	
Pottsville ²	Schuylkill	1.20				T.				.03				.10		.05		.20				.07		.16		.16		.74	.55	2.10	.35	5.55	
Reading ¹	Berks	.68	.05			T.	.04			T.				.06		.05	.03	.20	.02		T.	.33				.10	.01	.22	1.17	1.13	.97		5.69
Wernersville ²	Berks																																
LOWER DELAWARE																																	
Coatesville ¹	Chester	.08	.83			.04				.10				.15		*		.30				.02	.21			.07			1.28	.74	.93		4.75
Doylestown	Bucks	.54				T.				.26				.09		.03		.14	T.			.27				.04			1.18	.73	.91		4.19
Marcus Hook ²	Delaware	.57	T.			.04				*	.16			T.		T.	.14	.07		T.	T.		.30		.05				.45	1.20	1.55	.18	4.71
Neshaminy Falls ¹	Bucks	.75				.02				.32				.15		T.	.02		.02				.36						1.02		.84	T.	\$
PHILADELPHIA																																	
Airport Station ⁵	Philadelphia	.45	T.			T.	.04			.24		T.	.25	T.	T.	.01	.14	T.	T.	T.		.28	.02		.06	.03	.05	1.45	.28	1.06		4.36	
City Office ¹	Philadelphia	.54	.03			.05				.35			.12		T.	.03	.12	T.	T.	T.		.14	.03		.05	.03	.04	1.41	.40	.88		4.22	
Franklin Inst. ²	Philadelphia	.50				.04				.12	.08		.15			.05		.06				.34		.08		.08		.34	1.50	1.08	.20	4.54	
Shawmont ¹	Philadelphia	T.	.61			.03				.26			.16			.04		.11	T.	T.		.31		.11		.11		1.05	.84	1.26		4.78	
Quakertown ¹	Bucks	.03	.85			.10				.25			.28			.06		.21	T.			.20		.02		.02		1.13	1.07	1.56	T.	5.76	
West Chester	Chester	T.	.99			.05				.21			.11			T.	.15		T.			.24		.06		*	1.78	1.29				4.88	
West Grove ²	Chester	1.03				.07				*	.19		.15			T.	.10					.26		.13		.25	1.10	1.23	.11			4.62	
Susquehanna Basin																																	
CHERRY																																	
Covington ²	Tioga	.75	T.							.10				.32			T.		.07	.15								.39	.72	1.74	.54	4.68	
Lawrenceville ¹	Tioga	T.	.36	T.	T.					T.				.20			T.	T.	.15	.18		T.						.42	.65	1.92	.18	4.66	
NORTH BRANCH																																	
Bloomsburg (nr.) ²	Columbia	.98				T.				T.			.23			T.		.29				.17				.04		.82	.42	2.30	.38	5.58	
Canton ²	Bradford	.02	.69										.16			.06		.12	.11	.03			.04					.48	.24	1.80	.45	4.20	
Dauville ²	Montour	.90	T.			.08						.21		.05		.26		.26				.13		.05		.53	.58	1.82	.48	5.09			
Kellogg Mt. Tower ²	Bradford								*	.02			.28	T.		.03		.13	.11			.28		.32		.38	.61					\$	
Millville ¹	Columbia	.73	.30											.06		.10	.65				.21		.08		.12	1.06	1.26	1.16				5.13	
Montrose ²	Susquehanna	1.35	.03			T.					T.		.22	.02		.06	T.	.12	.03		.11		.11		.02		.81	.52	1.61	1.03		5.93	
Pikes Creek ¹	Luzerne	1.23	.44							.22			.04	.01	.24	.16	.01				.15		.02		.12	1.17	1.18	1.77				6.76	
Scranton ¹	Lackawanna	.67	.29		T.	.01	T.			T.			.22	T.	.07	.02	.08	.10		T.	T.	.01		.01		T.	T.	1.28	.96	1.03	T.	4.74	
Susquehanna ²	Susquehanna	1.39	.05							T.			.33	.11		.05		.18	.06		.11				T.		.82	.57	1.25	1.12	6.04		
Towanda	Bradford	.08	.61	T.	T.	T.			.01			.26	T.	.07	.08	.09		.08	.09		T.	T.	T.				.63	.35	1.64	.13	3.94		
Tunkhannock ¹	Wyoming	1.31	.43									.43		.05	.01	.14	.05				.02				.10		.79	1.01	1.75			6.09	
Wilkes-Barre ⁵	Luzerne	.56	.30	T.	T.	T.	T.			T.		T.	.20	T.	.04	T.	.11	.03	T.	T.	T.	.03			.01	T.	.03	1.08	1.37			\$	
WEST BRANCH																																	
Ansonia ²	Tioga	.03	.68							T.	.02		.23			.02		.16	.09			.11				.01	.37	.42	.38	1.73	.25	4.13	
Bald Eagle ¹	Blair	.69	.08							.03			.10	*	.05	*	.46		.06	*	1.23		.36			.13	.01	.37	.81	.65	.83		5.66
Berwindsdale ²	Clearfield	.40	T.			*				*			*	*		*	*	*	*	*	*		.80		.12		.12		.76	.35	2.02	.65	6.33
Carter Camp ¹	Potter	.40	.20									.05	.16				.20	.03	.02		.21				.27		.69	.91	.44			4.58	
Cedar Run ²	Lycoming	.38	.34										.18			.03		.27	.08			.08						.39	.38	1.72	.44	4.29	
Clearfield ²	Clearfield	.62	.04		.02	.04				T.	.06	*	.01	.30	.03	.01		.50	.09		.40	T.	*		.09	T.	1.01	.40	.95	.50		6.07	
Driftwood ¹	Cameron	.49	.26							*	*	*		.54	.03		.19	.04			.33		*	*	*	*	*	.86	1.11	.74		4.59	
Du Bois (near)	Clearfield	.03	.32	.02	.02	*	.07		.02			.14	T.	T.	.04	T.	.31	.05		.46	.22</												

Day of month

Continued on page 82

Daily Precipitation for December, 1942—Continued from Page 81

Stations	Counties	Day of month																															Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALLEGHENY (continued)																																		
Seward ¹²	Indiana	.38	.14										.42			.12		.69	.08				.48	.08		.12	T		.17	.48	1.69	.39	5.54	
Strongstown ¹	Indiana	.34	.08	.01		.01	.03			.02			.08	.05		.10		.58				.59	.02		.17		.11	.90	1.84	.86		5.78		
Tionesta Dam ¹	Forest	.71	.05										.08	.07		.02	.01	.31	.11			.36	.02		.04	.16	.59	1.65	.90		5.38			
Titusville ¹	Crawford	.50	.12	.08									*	*		.19		.02	.30	.09	.02		.39			.01	.50	.68	1.21	.93		5.03		
Union City ¹	Erie	.41	.09				.01						.01	.11		.08	.01	.23	.02			.29		.03		.08	.58	.13	.35	.76		3.51		
Vandergrift ³	Westmoreland	.68	.20		T	.02							.13	.02		T		.46	.09			.30			.13		.08	.90	1.20	.96		5.17		
Warren ²	Warren	.07	.72	.85	.10	.08	.03	T		T	T	.03	.09	.11	.01	.08	.08	.28	.15	.08		T	.25		T		.03	.77	.91	1.21	.63	6.46		
Youngsville ¹	Warren	.70	.21	.02	.02								.03	.10	.03	.10	.02	.29	.12	.04		.02	.27				.51	.45	1.16	.89		5.03		
MONONGAHELA																																		
Confluence ²	Somerset	.92	.07				.12	T		T	.03		.08	.04	T		.11	T	.48	.01	.11	.06		.34	.01		.05		.50	.32	1.59	.39	5.23	
Connellsville ²	Fayette	.64	.05				.04	T		T	.02		.01	.16	T		.15	T	.28	.04	.14	.08		.46	.01		.11		.41	.45	1.55	.44	5.04	
Donora ¹	Washington	.57	.03	T		*	.05			.02		T	.09			.08	T	.08	.24	T	.12		.21	.02	.05		.04	.70	1.94	1.06		5.30		
Greensboro ²	Greene	.61	.03				.10			T	.04	.01	.04	.05	T		.14	T	.13	T	.12	.13		.37			.19	.36	.40	1.20	.39	4.31		
Greensburg	Westmoreland	.18	.58	.01			.02			.02			.04	.29		T	.05	.11	.34	T	.15		.29	.07	.02	.09	T	.91	.60	1.83	.07	5.67		
Irwin	Westmoreland	.15	.55	.02			.01			.05			T	.22		T	.02	.01	.41	.02	.07		.19	.08	.02	.01	.15	.02	.77	.42	2.56	.05	5.74	
Meyersdale ²	Somerset	.70	.13				.15	T					.04	.06	T		.12	T	.63	.01	.13	.06		.26	T		.03	.45	.22	1.22	.20	1.41		
Murrysville ¹	Westmoreland	.61	.02			.01				.05			.17	.05		T	.08		.40	.08		.03		.27			.20	.03	.13	.79	1.82	.71	.04	5.49
Newell ¹	Fayette	.70					.20			.20					T	T		.30					.70		.10	.50		.70	.30	1.60	T	†	†	
Pittsburgh Arpt. ¹	Allegheny	.58	.18	.01	T	.02	.01		T	.04	T	T	.25	.04	T	.11	.01	.22	.06	.01	.09		.25	T	.17		.11	.66	1.72	1.07	T	†	5.61	
Somerset	Somerset	.11	.53				.13			.03			.03	.11		.06	.12	.13	.55	.02	.15		.32	.09		.02	.09	.07	.71	1.02	.91	.03	5.29	
Springs	Somerset	.25	.34	.02			.20			.03			.04	.10	T	.03	.20	.33	.30	T	.27		.25	.14	T	.05	.03	.06	.73	.69	.74	T	4.82	
Uniontown	Fayette	.15	.22				.05			.10			.20	.02	.13	.05	.12		.23	.30	.13		.10	.08	T		.85	.79	1.10	.02	4.64			
Waynesburg	Greene	.19	.35				.06			.06			.07		.03	.04	.07	.03			.22		.30		.22	.03		.80	.92	1.18	.16	4.73		
BEAVER																																		
Beaver Falls ²	Beaver	T	.60	.04	T		.20	T		T	T		.30	T		.05	.02	.35	.10	T	T		.30	T		.09	.08	.55	.37	1.05	.89	4.99		
Butler	Butler	.34	.34	.11			.03			T			.18			.02	*	.45	T			.03	.48		.30		.87	.37	1.00	.17	4.68			
Greenville	Mercer	.56	.05		.01		.06						.06			.13	.23	.23	.04			.32		.04		.24	.63	1.08	.93	.02	4.63			
Grove City	Mercer	.37	.24	.03			.06			.05			.04	.13	.05		.06	.07	.39	.10	.01		.35									†		
Mercer ⁵	Mercer	.76	.12	.01	T	T	.01		T	T	T	T	.04	.07	T	.03	T	.22	.06	T	T	.35	T	T	T	.14	.56	.59	1.62	.76	T	5.34		
New Castle	Lawrence	.30	.30	.01	.01	T	.09			.04			T	.06	T	.03		.32	.04			.30	.12	T		.16	.22	.64	1.05	1.30	.17	5.16		
Penn Line ²	Crawford	.13	.33	.04	T	T	T						T	.10	.03	T	.08	.01	.50	.06			.23		.02		.12	.73	.45	.46	.65	3.98		
Pymatuning Dam ²	Crawford	.21	.45	.02			T						T	.05	.01		.04	.04	.26	.03			.24				.22	.55	.71	.50	.51	3.84		
Sharou ²	Mercer	.10	.60	.07						.02			.03	.04		.03		.61	.05			.35			*		1.07	.60	1.25	.61	5.43			
OHIO																																		
Claysville ²	Washington	.65	.05			.07				.03	T		.14			.08		.13		.38	.64		.37	.01		.18		.50	.25	1.94	.78	6.20		
Coraopolis ²	Allegheny	.64	T			.02				T	.03		.09	.01		.05		.40	.05	.03	T		.23		.11		.63	.26	1.15	.80	4.50			
Midland ²	Beaver	.02	.56	.01		.06				T			T	.15		.06		.22	.03	.01	.01		.31		.12	.05	.55	.21	1.33	.80	4.50			
Mt. Lebanon	Allegheny	.52	.17	T			T			.05	T		.20	T		.10	T	.20	.11		.07		.27		.15		T	.85	1.06	1.10	T	4.79		
Washington ¹	Washington	.58											.11			.10		.25	.01		.15		.33		.20		.21	.56	1.76	.76	.07	5.09		
LAKE DRAINAGE																																		
Erie ¹	Erie	.08	.41	.02	.02						T		.15	.01	T	.16	.03	.12	.02		T	.03	T		T		.06	.18	.23	.56		2.08		
Raymond ¹	Potter	.30	.08	.01	.02	.02							.04	.15		.06	.04	.14	.11	.06	.02	.06	.08				.13	.56	.90	.86		3.64		

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First order Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation for period, midnight to midnight. ⁴ Precipitation for period, noon to noon. ⁵ Precipitation for period, 1:30 a. m. of date on which amount is recorded to 1:30 a. m. following date. † Precipitation measured with recording gage, midnight to midnight. * Included in next measurement. ‡ Incomplete or missing. † Daily amounts inconsistent. T. (trace), when precipitation is less than .01 inch. ‡ Record partially estimated.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations	Atmospheric pressure (reduced to sea level)					Wind**				Relative Humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum * velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Erie.....	30.05	30.63	21	29.15	2	11.0	36	se.	27	86	81	85	3
Harrisburg.....	30.09	30.76	27	28.86	1	8.5	30	w.	2	74	62	70	37
Philadelphia.....	30.08	30.77	27	28.79	2	13.2	39	sw.	2	81	66	72	45
Phillipsburg.....	30.05	30.62	27	28.98	1	13.9	42	w.	3	87	77	85	
Pittsburgh.....	30.08	30.66	21	29.07	1	12.2	38	w.	2	86	73	82	26
Reading.....	30.08	30.78	27	28.82	2	12.2	47	w.	2	73	59	64	41
Scranton.....	30.07	30.78	27	28.76	29	7.5	26	nw.	31	81	76		23

* For any five-minute period.
† Local noon

** Corrected to true velocities.
‡ 4:00 p. m.

RIVER CONDITIONS

Stations	Rivers	Mean Stage	Highest stage	Date	Lowest stage	Date	Flood Stage
Port Jervis, N. Y.	Delaware	4.1	13.8	31	2.7	22†	18
Easton	Delaware	5.0	22.5	30	2.0	21	22
Lehighton	Lehigh	4.5	9.5	30	3.2	21	9
Reading	Schuylkill	5.5	13.1	30	3.5	21	13
Wilkes-Barre	N. Br. Susquehanna	6.7	29.2	31	2.8	21	22
Williamsport	W. Br. Susquehanna	4.0	23.0	31	1.1	22	20

Daily Temperatures for December, 1942

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Allentown ²	Maximum...	54	36	35	32	35	41	38	40	33	36	40	44	30	30	36	30	29	33	28	22	25	34	42	44	42	35	39	39	45	40	36.4
	Minimum...	31	34	16	17	19	26	25	25	24	20	22	28	29	15	15	27	7	11	16	0	-4	-3	15	32	32	23	24	34	34	34	21.3
Altoona(near).....	Maximum...	36	34	17	25	32	36	32	33	35	37	40	37	31	22	35	33	28	34	26	15	22	26	38	41	38	35	34	37	36	37	32
	Minimum...	28	6	4	11	17	22	26	8	26	22	32	29	14	7	20	17	12	20	13	3	-12	6	24	35	30	31	27	31	33	31	25
Arendtsville.....	Maximum...	37	44	27	36	34	42	40	38	39	38	44	43	36	28	40	40	28	35	35	21	28	28	42	45	42	38	37	39	39	44	42
	Minimum...	27	18	9	16	18	27	27	22	29	22	28	33	20	15	25	24	15	23	21	4	-10	3	28	31	25	35	28	33	35	34	32
Bedford.....	Maximum...	48	38	21	30	34	38	34	36	37	38	44	42	37	27	38	37	29	36	31	20	21	27	38	46	42	36	36	38	38	39	35
	Minimum...	26	15	6	15	20	21	14	11	29	26	33	31	17	13	25	23	15	23	17	7	-14	3	25	33	34	30	32	34	33	29	20.9
Bethlehem ³	Maximum...	52	54	27	32	33	40	37	41	32	33	37	42	33	28	34	31	26	31	26	10	15	32	39	38	44	38	35	38	35	44	38
	Minimum...	36	18	18	20	21	28	28	24	23	23	32	29	15	13	26	10	10	21	9	-1	-2	10	32	34	34	23	28	35	33	34	31
Bloomsburg(near)...	Maximum...	45	45	29	29	34	35	38	39	35	35	41	40	32	25	34	32	28	39	25	18	22	29	38	40	43	39	37	38	39	45	38
	Minimum...	21	15	12	13	21	28	18	21	10	20	14	24	25	29	0	22	10	-10	12	10	-10	-23	-8	18	30	28	27	24	25	34	32
Blue Mt. Interchange ³	Maximum...	38	40	26	32	36	42	39	38	40	41	42	43	42	28	39	38	34	38	31	20	22	32	44	48	47	39	34	39	39	38	40
	Minimum...	26	12	12	17	24	24	30	16	26	24	31	32	20	15	26	17	19	24	14	4	-6	4	28	30	28	27	27	32	36	32	22.7
Bradford.....	Maximum...	36	35	17	19	24	30	29	30	35	35	39	35	28	21	25	25	24	24	23	13	20	36	36	34	35	35	34	39	40	38	31
	Minimum...	17	10	7	10	18	18	21	20	25	10	32	24	15	5	16	12	8	16	13	-11	-18	-2	31	30	30	26	28	33	34	31	29.8
Breezewood Intchg ³ ...	Maximum...	38	38	20	28	32	38	36	38	38	42	40	36	28	38	38	34	31	32	28	15	22	30	38	48	44	36	34	40	36	38	34
	Minimum...	32	10	8	12	20	22	26	12	22	34	30	16	10	30	18	11	23	12	-1	-6	10	30	26	22	32	28	32	33	32	26	20.4
Brookville ⁵	Maximum...	37	32	14	22	28	30	28	83	35	39	38	32	20	23	31	26	27	27	21	11	18	38	36	35	38	37	38	43	42	36	31
	Minimum...	32	8	6	13	18	22	18	15	14	11	30	20	14	9	23	13	14	21	6	-13	-11	18	31	32	32	34	31	37	35	28	25
Burru Cabins(uear) ³	Maximum...	38	37	25	27	34	40	37	37	40	42	42	42	37	28	38	33	28	35	28	12	28	28	41	46	38	37	36	37	34	34	36
	Minimum...	27	10	9	14	18	24	27	10	22	21	32	27	14	12	28	14	11	26	11	1	2	10	28	27	19	32	37	32	32	30	31
Butler.....	Maximum...	42	42	18	27	27	33	31	31	35	39	40	36	32	20	34	32	30	33	25	22	19	34	39	37	37	38	45	52	57	57	54
	Minimum...	30	18	6	11	17	24	25	7	29	18	32	25	15	8	16	21	15	23	15	-10	-10	3	33	33	33	32	34	39	48	34	27
Carlisle.....	Maximum...	40	40	30	38	38	40	45	41	36	40	45	47	28	26	40	40	26	40	36	20	24	25	40	46	41	40	40	38	38	40	45
	Minimum...	24	20	15	14	21	20	28	18	25	20	28	28	21	17	26	26	17	19	20	5	-5	2	23	33	22	33	28	31	34	32	26
Chambersburg.....	Maximum...	35	40	28	36	35	42	42	40	42	41	45	44	37	28	39	37	30	37	34	22	21	25	43	46	45	39	39	37	37	42	40
	Minimum...	26	15	14	19	24	28	30	20	30	25	35	32	20	17	28	25	19	25	22	8	-3	8	25	35	23	34	30	32	34	33	23
Claysville ²	Maximum...	42	23	18	28	28	36	35	38	38	41	43	34	17	30	37	32	38	30	21	15	30	41	36	36	39	45	54	60	60	38	32
	Minimum...	24	19	3	3	10	14	23	13	12	19	21	22	9	1	4	21	11	14	19	8	-12	-9	26	32	28	27	32	38	50	36	26
Coatesville.....	Maximum...	49	52	27	32	34	40	39	36	34	35	43	43	36	29	38	34	30	35	32	18	14	31	41	41	45	41	35	42	40	49	41
	Minimum...	28	17	16	17	23	28	28	24	22	18	29	30	21	17	25	20	13	25	17	1	-1	14	30	33	28	25	27	30	35	33	22.8
Coudersport.....	Maximum...	34	28	18	21	28	34	39	40	34	34	38	34	25	21	27	27	25	30	24	10	28	28	30	34	34	36	34	40	38	38	31
	Minimum...	24	8	7	10	17	12	22	9	12	6	30	21	14	4	11	10	5	10	8	-8	-20	-4	8	24	26	20	20	34	30	25	13.9
Derry.....	Maximum...	44	49	18	27	30	33	33	39	37	46	44	40	34	22	37	36	28	35	32	17	21	47	43	42	47	45	47	58	61	43	37.7
	Minimum...	30	9	7	11	18	21	23	8	31	25	31	29	12	7	22	19	14	27	13	1	-10	14	34	34	26	30	35	40	41	32	27
Eagles Mere ²	Maximum...	42	27	27	25	28	30	30	31	31	30	35	33	22	18	27	20	21	23	19	-6	12	30	33	33	36	34	33	39	43	44	33
	Minimum...	22	24	6	6	9	17	19	13	12	15	19	25	18	3	2	16	-2	6	9	-10	-13	-6	8	27	29	29	19	21	31	31	21
Ebensburg ²	Maximum...	36	18	12	22	27	28	28	29	32	39	38	30	13	24	32	32	24	13	7	20	40	36	38	41	34	39	48	48	48	48	30
	Minimum...	27	17	4	4	10	15	23	14	12	20	21	25	12	6	7	21	10	12	13	4	-8	-4	14	31	29	29	27	27	38	31	23
Edinboro.....	Maximum...	36	36	29	20	25	30	28	30	35	37	34	23	18	27	28	25	27	26	14	19	35	36	35	35	37	37	41	47	45	30	8
	Minimum...	27	8	8	10	18	23	24	24	27	20	30	15	14	18	16	14	20	13	-2	0	6	31	30	32	28	34	35	36	30	23	20.4
Emporium ²	Maximum...	36	37	39	35	41	39	37	35	25	29	25	26	30	26	20	19	33	35	1	18	-10	18	32	35	35	37	38	38	34	34	32.5
	Minimum...	27	10	10	12	18	20	13	15	26	25	9	14	21	13	13	13	1	18	-10	18	32	35	35	37	37	42	40	41	47	42	37.8
Ephrata.....	Maximum...	45	51	28	36	36	43	40	41	35	36	38	46	37	29	41	35	30	38	33	24	26	31	41	43	37	42	40	40	41	47	42
	Minimum...	27	20	17	17	20	29	29	20	28	21	28	24	17	26	23	14	25	23	3	-2	6	31	34	28	34	27	32	36	35	34	23.7
Erie ³	Maximum...	40	32	24	23	29	33	30	34	37	40	40	35	24	26	30	28	27	30	24	13	23	40	35	37	38	40	44	47	40	37	34
	Minimum...	32	12	12	14	23	28	27	26	29	26	34	22	19	26	19	23	13	4	10	21	33	34	31	30	37	35	36	29	26	24	2.2
Franklin ²	Maximum...	39	39	39	40	40	41	39	40	40	41	33	22	26	31	25	26	29	19	13	26	39	35	37	38	40	41	42	49	38	33	8
	Minimum...	29	19	19	25	30	37	30	29	37	34	31	19	28	28	24	27	30	12	15	23	30	35	37	37	31	40	40	40	32	31	29.7
Freeland.....	Maximum...	38	38	14	19	25	30	29	37	30	29	37	34	31	19	28	28	34	27	30	12	15	23	30	35	37	37					

Daily Temperatures for December, 1942 Continued from page 81

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
Montrose ²	Maximum.....	43	30	20	25	29	33	29	32	31	32	40	36	22	21	26	18	20	21	10	-6	21	29	32	36	85	34	44	47	36	40	28	28.2
	Minimum.....	23	26	7	13	15	21	22	15	16	17	17	25	22	8	8	16	-2	2	1	-17	16	11	12	22	29	28	18	18	40	40	23	14.1
Mt. Lebanon.....	Maximum.....	42	35	17	27	29	34	35	35	40	41	43	38	19	25	36	32	31	35	27	14	21	40	40	37	40	44	44	56	57	41	32	35.1
	Minimum.....	32	7	5	12	15	22	25	19	29	25	32	19	10	5	25	16	13	25	14	1	7	16	33	33	31	84	38	37	41	29	27	21.4
Mt. Pocono.....	Maximum.....	35	33	30	20	30	33	35	32	32	31	41	40	40	30	28	25	25	22	20	10	15	22	34	40	34	40	33	31	36	38	35	30.7
	Minimum.....	28	30	6	6	15	21	6	17	20	15	28	20	20	0	15	10	3	15	0	-12	12	0	29	26	28	28	11	19	18	20	22	11.4
Neshaminy Falls.....	Maximum.....	48	52	34	32	33	42	40	40	38	33	35	45	33	28	35	30	29	34	33	22	22	33	45	45	47	43	40	42	42	54	41	37.9
	Minimum.....	22	25	17	14	14	22	26	21	22	14	22	27	23	15	20	24	4	25	18	3	-1	14	32	24	32	31	27	31	36	36	35	21.8
New Castle.....	Maximum.....	41	41	20	28	31	33	31	37	40	40	43	40	31	21	34	34	34	31	29	20	23	37	38	40	40	40	43	51	57	56	36	36.4
	Minimum.....	27	13	8	13	17	24	27	13	25	17	32	12	15	9	20	29	14	21	14	7	-8	8	33	32	33	30	36	40	40	38	29	21.7
Newell ³	Maximum.....	45	31	17	28	29	36	35	38	39	45	44	40	23	33	37	30	28	36	26	15	20	11	10	11	12	42	51	59	59	38	36.1	
	Minimum.....	31	11	12	17	20	28	28	21	27	27	35	23	15	15	25	17	17	24	15	-6	5	10	33	26	30	36	42	39	29	28	23	23.0
Palmerton ³	Maximum.....	50	51	25	31	35	40	39	42	33	33	40	43	34	27	35	32	29	36	29	8	25	32	42	41	46	46	31	39	36	41	36	36.1
	Minimum.....	26	14	16	16	27	26	28	17	25	21	31	27	16	12	26	9	3	22	8	-3	-5	3	32	36	34	24	23	31	31	35	33	21.0
Philadelphia																																	
Airport Station ³	Maximum.....	57	56	29	34	37	41	39	39	36	34	35	45	35	32	37	35	32	34	33	13	24	34	45	41	46	42	38	43	11	56	13	38.3
	Minimum.....	31	19	21	19	23	27	28	25	21	19	27	26	22	18	28	14	12	28	13	1	1	14	32	28	27	27	30	37	38	39	33	23.5
City Office ³	Maximum.....	54	57	28	34	36	42	40	41	36	39	42	46	37	30	37	37	30	35	34	15	24	34	46	41	48	42	38	45	40	66	43	38.9
	Minimum.....	31	18	26	21	26	31	32	30	32	26	34	36	23	20	30	16	15	39	15	2	3	18	33	36	35	29	29	37	37	38	36	26.5
Franklin Institute ²	Maximum.....	57	57	28	34	35	42	39	40	34	39	40	46	45	32	39	32	33	33	29	17	24	36	45	44	47	42	43	41	17	56	16	39.5
	Minimum.....	36	35	19	24	26	27	31	26	29	23	25	31	32	18	21	31	12	17	23	8	0	7	21	35	31	31	29	28	46	36	39	25.3
Shawmont.....	Maximum.....	50	55	28	33	35	40	10	40	38	31	38	40	40	28	37	35	30	34	32	26	23	33	42	42	45	42	41	41	42	54	44	38.1
	Minimum.....	27	25	17	16	18	27	26	23	27	19	32	28	27	19	25	26	9	27	23	3	0	11	32	33	28	34	29	36	36	37	36	24.4
Philipsburg.....	Maximum.....	35	31	13	20	26	29	26	30	31	38	34	34	23	22	32	25	23	25	22	6	16	37	36	34	33	32	32	38	35	33	29	28.1
	Minimum.....	29	5	4	10	17	19	17	0	8	11	26	23	11	6	21	9	19	1	-12	-13	10	30	31	29	28	34	32	31	26	23	15.7	
Phoenixville.....	Maximum.....	48	58	34	36	36	46	47	45	43	40	40	46	46	41	40	42	35	38	38	29	27	33	43	44	51	47	46	41	45	52	48	42.1
	Minimum.....	22	25	17	16	18	27	23	18	22	13	29	23	22	15	21	27	6	25	24	4	-2	-1	32	33	22	32	25	33	32	36	35	21.9
Pittsburgh Arpt Sta. ³	Maximum.....	42	32	16	26	28	33	32	35	38	41	41	37	20	26	36	28	35	35	26	14	21	40	38	38	40	43	45	56	58	39	32	34.5
	Minimum.....	32	6	5	12	15	24	24	17	28	28	32	29	10	6	26	17	13	25	14	5	0	18	33	31	32	37	11	29	29	26	22.0	
Pittsburgh City Office ³	Maximum.....	41	34	20	28	29	33	34	37	41	41	43	41	23	29	39	30	37	37	28	16	23	44	42	39	42	46	47	59	61	41	35	36.9
	Minimum.....	34	8	8	16	20	27	25	20	32	32	35	23	14	11	29	19	28	16	8	4	22	37	35	39	36	39	41	41	39	30	25.0	
Port Clinton.....	Maximum.....	41	39	28	30	34	38	38	37	37	34	35	40	40	27	36	36	26	32	32	24	20	26	38	39	40	40	41	47	39	45	40	35.1
	Minimum.....	25	28	15	14	22	26	28	18	24	17	39	28	24	13	23	24	6	23	20	0	-4	3	26	32	28	32	25	28	35	33	33	21.9
Pymatuning Dam ²	Maximum.....	39	20	15	23	28	31	30	33	37	37	38	29	20	25	30	22	27	27	17	10	29	37	31	38	38	37	47	52	57	35	33	31.5
	Minimum.....	27	18	8	7	11	17	23	13	20	15	22	18	13	9	9	20	12	17	15	-1	-1	5	27	31	21	29	35	35	37	34	24	18.3
Quakertown.....	Maximum.....	44	54	33	37	39	38	36	42	31	38	42	33	27	35	34	28	32	37	20	30	40	39	37	40	34	40	38	48	38	35	35.5	
	Minimum.....	23	22	14	23	24	18	20	8	27	22	21	10	22	20	-4	22	9	22	9	-2	-9	-5	30	28	26	29	22	29	42	32	33	18.8b
Reading ³	Maximum.....	51	53	27	33	35	40	38	40	35	35	40	41	35	29	38	34	29	35	32	13	24	35	40	43	45	44	35	11	39	46	40	37.0
	Minimum.....	30	16	19	20	24	30	40	25	27	23	32	33	21	17	28	15	14	27	13	0	6	12	32	31	30	30	29	31	36	35	33	24.1
Ridgway ²	Maximum.....	36	23	16	23	30	32	29	36	35	40	38	34	21	23	39	26	24	27	20	10	20	39	34	36	36	36	39	41	40	37	32	30.4
	Minimum.....	23	22	7	7	13	18	14	19	14	6	11	26	17	11	20	10	11	16	-2	-19	12	12	31	32	32	29	28	36	34	25	16.1	
Scranton ³	Maximum.....	47	49	24	29	31	37	35	35	33	37	41	40	32	25	32	30	25	15	18	5	19	28	36	41	38	40	42	40	37	39	40	35.6
	Minimum.....	29	14	16	16	25	27	26	19	25	25	32	31	16	12	24	6	15	5	-10	-5	5	28	34	33	24	24	34	35	25	28	20.9	
Selingsgrove.....	Maximum.....	42	46	25	30	29	39	39	38	37	37	43	39	42	26	35	35	29	33	32	28	21	24	41	42	44	42	40	37	39	40	36	35.6
	Minimum.....	24	17	14	13	24	18	24	14	20	18	25	28	20	9	16	23	10	18	18	0	-8	1	22	31	30	33	27	31	35	32	30.0	
Sharon.....	Maximum.....	41	41	17	25	30	33	33	33	33	39	39	40	36	20	34	32	26	33	28	17	20	38	36	36	39	40	53	59	55	35	35.0	
	Minimum.....	33	10	8	15	18	27	23	23	23	20	34	22	16	10	20	20	16	25	14	7	-5	13	35	34	34	44	37	40	52	32	23.2	
Somerset.....	Maximum.....	37	38	15	23	28	34	35	35	33	42	40	35	32	20	35	35	23	53	26	13	27	37	42	43	36	35	51	45	35	30	33.1	
	Minimum.....	23	5	3	10	11	16	22	2	25	17	33	26	10	5	19	11	11	21	13	0	25	10	33	32	25	33	28	32	45	30	24.1	
Spring.....	Maximum.....	38	38	13	20	25	29	32	30	30	40	40	35	31	21	38	39	32	33	25													

CLIMATOLOGICAL DATA

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PENNSYLVANIA SECTION,

L. F. CONOVER.

HARRISBURG, PA.

VOL. XLVII.

ANNUAL SUMMARY, 1942.

No. 13.

GENERAL SUMMARY.

The outstanding weather feature of 1942 was the frequency and extent of flood-producing storms. The average total rainfall of 47.84 inches was 5.80 inches above normal and was the third highest in 55 years of record. Major flood-producing storms occurred in May, July, August, and December, and caused more than \$30,000,000 damage. These storms overshadowed frequent periods of locally excessive precipitation which resulted in flood damage and which, under ordinary circumstances, would have been noteworthy.

The storm of July 17-18 produced the heaviest 24-hour precipitation of record in Pennsylvania, and was one of the greatest in magnitude ever recorded in Eastern United States. Unofficial measurements in excess of 15 inches in 24 hours were reported in Potter, Cameron, and McKean counties. The maximum hourly rate in this storm, in all probability, exceeded the year's greatest official one-hour record of 3.95 inches measured at Phoenixville on June 12th.

The total snowfall was 51 inches, 9.2 inches above the 55-year average. A number of stations along the Allegheny Mountain ridge recorded 100 inches for the year.

In the severe hail and wind storms of May and July, destruction to property and crops was estimated at \$150,000. Thunderstorms were frequent and damaging. Severe ice storms occurred in April and December.

The average temperature for the State, 50.5°, was 0.3° above normal. April accumulated the greatest excesses and December the greatest deficiencies. A most unusual feature was the period of high temperature which occurred late in April and early in May. A few stations reported their lowest minima for the year in December, although January minima predominated.

Mortality, due to weather causes, was high. Fifty-one persons were drowned or missing as the result of floods alone. Accidents, resulting from snow, caused fourteen deaths and numerous injuries. Lightning killed eight people and caused many fires. Six persons died from exposure and three were killed in accidents during periods of fog and poor visibility.

Production of crops averaged eight per cent higher than in 1941. The heavy precipitation benefited vegetation but caused some crop losses, due to delayed harvesting and spoilage.

WEATHER BY MONTHS

JANUARY: The month was cold and dry. Minima fell to 0° or lower at all but six stations. Two deaths resulted from the cold. Moderately heavy snow, early in the month, caused numerous traffic accidents.

FEBRUARY: Temperatures and precipitation were again deficient. Six deaths and several injuries were caused by snow and cold. A pilot was killed when his plane crashed into a mountain during a period of fog and poor visibility.

MARCH: Accumulated temperature and precipitation deficiencies were sharply reduced. Heavy snow, in the vicinity of

Pittsburgh, early in the month, led to accidents which resulted in four deaths. One death and extensive property damage in Erie County resulted from heavy rains about the middle of the period. Heavy snow, late in the month, produced falls up to 34 inches, under which small buildings collapsed. A plane crash, during a period of poor visibility, resulted in the death of the pilot. On the 9th, high winds exceeded all previous March records at Philadelphia and Reading.

APRIL: A warm, dry month. Excepting 1941, the average, temperature was higher than that of any April since 1921. Maxima in the 90's were common. About the 10th, heavy glaze from the mountains eastward damaged trees and disrupted utilities. Accumulations on exposed surfaces ranged to one inch.

MAY: The third month in which sizable temperature excesses were accumulated. Excessive rains toward the end of the month produced devastating floods in the Delaware and Susquehanna River Basins. Thirty-three persons were drowned or missing and property and crop damage were excessive. Property and crop damage were high in thunderstorms at the close of the month.

JUNE: Accumulated average daily temperature excess for the year rose to 1 2°. The accumulated precipitation total was deficient by 0.10 inch. Lightning killed two people and injured a third. Heavy rains caused some flooding and did local damage.

JULY: A warm, wet month. Phenomenally excessive rainfall about the 18th caused major floods in north-central counties. Eleven lives were lost and damage to property and crops was widespread. One man was killed by lightning. Local floods in south-central counties caused two deaths on the 26th. Four people were killed by lightning and a child was drowned during a thunderstorm on the 31st. Violent wind and hail storms caused heavy damage to property and crops. An automobile accident, attributed to dense fog, caused one death.

AUGUST: The temperature average was below normal for the first time since February. Minima were unusually low. Frequent, heavy storms caused recurrent flooding in low-lying southeastern areas. Major flooding occurred on the upper reaches of the Brandywine Creek on the 8th. Two men were drowned and extensive property damage was done. One man was killed by lightning on the 16th.

SEPTEMBER: The accumulated average daily excess temperature reached 0.7°. Many maxima exceeded those recorded in August. A new monthly minimum record was established at Kane. The total accumulated precipitation was 2.10 inches above normal. Heavy rains occurred over the Delaware Basin.

OCTOBER: The month was warm and precipitation was above normal, particularly in the south-central counties.

NOVEMBER: Temperatures and precipitation were again above normal. A number of minor accidents occurred as a result of snow, freezing rain, and sleet on the 29th.

DECEMBER: A cold, wet month. New record minima were established at some mountain stations. Seven deaths resulted from accidents caused by snow about the 14th. Toward the end of the month, heavy rains combined with high temperatures to raise streams. The western part of the State suffered the most damage. Crests there were higher than any since March, 1936. One man was drowned. Freezing rain on the 30th built up heavy ice accumulations in the extreme northeast.

Climatological Data for the Year 1942

STATION	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)						Number days with .01 or more	Sky			Prevailing direction of wind	
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month		Total snowfall (unmelted)	Number clear days	Number partly cloudy days		Number cloudy days
Atlantic Drainage.																				
Allentown.....	Lehigh.....	260	20	51.5	96	July 19†	- 6	Jan. 11	30	55.13	8.74	Aug.	1.79	Jan.	15.2	120	132	115	118	sw.
Altoona (near).....	Blair.....	1,500	45	49.6	94	May 1	-13	do. 8	58	47.22	5.43	Dec.	1.94	do.	72.5	147	169	109	87	w.
Bedford.....	Bedford.....	1,100	11	51.7	98	July 17	-14	Dec. 21	11	45.21	5.88	May	1.47	do.	49.1	110	123	59	183	n.w.
Bethlehem.....	Northampton.....	364	40	52.3	96	do. 19	- 2	do. 21	57	50.70	7.10	Aug.	1.46	Apr.	23.2§	131	207	40	118	n.w.
Bloomsburg (near).....	Columbia.....	610	16	49.0	94	do. 19	-25	Jan. 8†	16	42.62	5.58	Dec.	1.14	Jan.	.....	108	121	113	131	n.w.
Burnt Cabins (near).....	Huntingdon.....	990	1	50.4	96	May 1†	-14	do. 8	1	43.98	6.13	May	1.38	Feb.	64.3	121	142	74	149	se.
Carlisle.....	Cumberland.....	473	76	53.0	95	do. 1†	-10	do. 7	53	54.00	7.49	do.	1.91	Apr.	41.5	128	192	57	116	sw.
Chambersburg.....	Franklin.....	600	43	53.6	100	July 19	- 3	Dec. 21	46	50.63	6.68	do.	1.62	do.	57.2	128	117	130	118	sw.
Clearfield.....	Clearfield.....	1,260	32	49.2	95	do. 13	-17	Jan. 8	35	50.80	6.07	Dec.	2.01	Jan.	88.1	172	64	94	207	sw.
Coatesville.....	Chester.....	431	55	53.4	98	do. 19	- 2	do. 8	54	51.65	11.56	Aug.	1.39	Apr.	16.3	114	108	78	179	n.w.
Eagles Mere.....	Sullivan.....	2,020	1	.....	.....	.....	.....	.....	2	45.40	5.67	Sept.	1.44	June	67.0	127	123	118	124	ne.
Emporium.....	Cameron.....	1,033	55	47.4	91	July 13	-21	Jan. 8	55	50.49§	10.83§	July	1.37	Jan.	.....	130§	171	49	145	w.
Ephrata.....	Lancaster.....	365	42	53.8	98	do. 19	-10	do. 11	50	56.07	10.99	Aug.	1.41	Apr.	19.9	113	147	65	153	sw.
Freeland.....	Luzerne.....	1,970	49	46.4	92	do. 13	-12	Dec. 20†	49	51.56	9.44	May	1.59	Jan.	37.2	133	89	44	232	w.
George School.....	Bucks.....	184	36	53.4	95	do. 19	- 8	Jan. 11	36	43.72	6.34	July	1.28	Apr.	18.0	124	190	94	81	n.w.
Gettysburg.....	Adams.....	553	67	53.8	94	do. 19	-14	Dec. 21	69	55.84	8.20	do.	1.63	do.	41.8	131	161	94	110	sw.
Gordon.....	Schuylkill.....	900	39	49.4	92	do. 13†	-18	Jan. 9	39	53.77	11.44	May	1.45	do.	36.5	117	162	73	130	w.
Gouldsboro.....	Wayne.....	1,875	19	43.8	89	do. 19	-27	do. 8	28	60.97	8.66	do.	1.73	do.	62.5	144	182	85	98	n.w.
Hanover.....	York.....	600	38	53.8	94	do. 19	- 5	Dec. 21	38	51.81	7.93	July	1.59	do.	33.8	123	151	64	150	s.
Harrisburg (Airport).....	York.....	364	54	53.4	97	May 1	- 3	Jan. 9	73	44.34	6.39	May	1.54	do.	30.6	135	84	120	161	w.
Hawley.....	Wayne.....	900	24	48.4	95	July 19	-20	do. 9	24	52.25	8.36	Sept.	1.56	Jan.	48.9	135	181	94	90	w.
Holtwood.....	Lancaster.....	200	24	54.4	95	do. 19	- 1	do. 11	29	42.06	9.02	Aug.	1.29	Apr.	24.0	131	140	95	130	n.w.
Huntingdon.....	Huntingdon.....	700	53	51.2	96	do. 19	-18	do. 8	55	43.36§	7.05	May	1.71	Jan.	62.0	130	120	105	140	w.
Kyertown.....	Clearfield.....	1,700	13	.....	90	do. 13	-13*	do. 8	13	.....	.....	.....	1.44*	do.	.....	.....	.....	.....	.....	w.
Lancaster.....	Lancaster.....	280	33	53.2	95	do. 19	-15	do. 11	55	51.59	7.90	Aug.	1.67	Apr.	20.4	124	186	72	107	n.w.
Lawrenceville.....	Tioga.....	996	45	49.5	95	do. 19	-30	do. 8	45	40.97	7.73	July	1.20	Jan.	55.0	121	114	130	121	n.w.
Lebanon.....	Lebanon.....	475	54	52.0	95	do. 19	- 5	do. 9	59	55.66	10.12	May	1.57	do.	21.2	108	232	69	64	sw.
Lewistown.....	Mifflin.....	480	4	.....	95	do. 13†	- 6	do. 9	4	48.27§	7.60	do.	1.40	do.	.....	122	123	73	169	n.w.
Lock Haven.....	Clinton.....	554	52	49.9	95	do. 13†	-15	do. 8	52	41.83	6.16	do.	1.13	do.	64.5	133	131	84	150	ne.
Marcus Hook.....	Delaware.....	50	17	57.0	101	do. 19	- 4	Dec. 20†	17	50.35	13.77	Aug.	1.21	Apr.	8.8	102	243	32	90	sw.
Montrose.....	Susquehanna.....	1,176	37	45.2	91	do. 19	-18	Dec. 21	39	43.51§	5.93	Dec.	1.35	Jan.	87.7	156	149	86	130	n.w.
Mt. Pocono.....	Monroe.....	1,740	37	45.5	87	do. 13†	-13	Jan. 8	37	.....	10.41*	May	.....	.....	60.5	169	36	160	n.w.	
Neshaminy Falls.....	Bucks.....	80	28	.....	96*	do. 19	-11	do. 11	28	.....	.....	.....	1.56*	Apr.	.....	.....	.....	.....	.....	w.
New Bloomfield.....	Perry.....	679	5	50.6	96	May 1†	-15	do. 9	5	58.45	7.39	May	2.19	Jan.	46.4	138	131	129	105	w.
Palmerton.....	Carbon.....	420	17	51.2	98	July 19	- 9	do. 9†	26	59.27	9.44	July	1.32	Apr.	17.8	118	75	106	184	ne.
Philadelphia.....	Philadelphia.....	23	71	55.5	98	do. 19	- 2	Dec. 20	71	41.16	6.74	do.	1.35	do.	15.0	114	108	132	125	sw.
Phila. Shawmont.....	Philadelphia.....	66	25	54.5	96	do. 19	- 3	Jan. 11	46	43.81	6.40	Aug.	1.52	do.	17.7	124	105	83	177	n.w.
Phoenixville.....	Chester.....	100	32	55.2	102	do. 20	-11	do. 11	33	48.18	8.38	do.	1.71	do.	.....	111	183	112	70	w.
Port Clinton.....	Schuylkill.....	430	4	51.4	94	do. 19†	-10	do. 9†	4	64.04	11.18	May	1.44	do.	22.0	111	225	59	81	n.
Quakertown.....	Bucks.....	480	55	50.4	94	do. 19	-17	do. 11	57	51.96§	8.27	Aug.	1.45	do.	21.4	131§	150	103	112	n.w.
Reading.....	Berks.....	273	45	53.8	96	do. 19	0	Dec. 21	65	54.21	9.29	May	1.47	do.	17.9	125	118	94	153	n.w.
Retreat.....	Luzerne.....	600	9	49.4	90	Apr. 30†	-14	Jan. 8†	9	43.49	7.60	do.	1.54	Jan.	.....	124	158	84	123	n.w.
Scranton.....	Lackawanna.....	746	48	50.2	94	July 19	-10	Dec. 20	48	41.60	6.73	do.	1.25	Feb.	40.4	132	81	149	135	sw.
Selinsgrove.....	Snyder.....	476	53	51.4	96	Aug. 14	-16	Jan. 8†	53	45.42	7.75	do.	1.55	Apr.	43.9	120	128	113	124	sw.
Shippensburg.....	Cumberland.....	654	10	53.0	100	July 13	- 4	do. 8	10	48.16	7.08	June	1.65	do.	61.0	117	119	108	138	sw.
State College.....	Centre.....	1,200	54	50.0	92	May 1†	- 8	do. 8	57	40.87	6.55	May	1.35	Feb.	84.4	144	62	165	138	n.w.
Stroudsburg.....	Monroe.....	440	28	49.8	96	July 19	-14	do. 11	28	.....	7.59*	Sept.	1.58*	Apr.	32.7	.....	126	92	147	w.
Towanda.....	Bradford.....	755	48	49.3	94	do. 19	-24	do. 8	48	36.90	6.10	do.	1.13	do.	53.8	143	96	144	125	ne.
Wellsville.....	Tioga.....	1,319	62	45.9	92	do. 13†	-24	do. 8	72	40.72	6.08	July	1.27	Jan.	66.6	137	113	151	101	w.
West Chester.....	Chester.....	440	88	53.2	95	do. 19	- 1	Dec. 21	98	49.95	9.58	Aug.	1.30	Apr.	24.5	114	176	84	105	n.w.
Wilkes-Barre.....	Luzerne.....	549	4	49.6	96	do. 19	-15	do. 21	58	.....	6.29*	May	1.27*	Feb.	125§	75	117	173	sw.	
Williamsport.....	Lycoming.....	542	53	51.8	96	do. 19	-10	Jan. 8	56	38.05	5.09	July	1.10	June	42.7	128	150	134	81	w.
Williamstown.....	Dauphin.....	1,275	27	.....	92	do. 19†	-5*	do. 8	27	.....	8.37*	May	1.49	Apr.	.....	.....	.....	.....	.....	sw.
York.....	York.....	640	43	54.2	96	do. 19†	- 8	Jan. 11	55	55.90	9.49	Aug.	1.74	do.	29.0	145	158	115	92	w.
Ohio Drainage.																				
Bradford.....	McKean.....	1,680	1	46.2	88	July 19	-23	Jan. 8	29	54.44	10.51	July	1.40	Jan.	74.2	164	76	127	162	w.
Brookville.....	Jefferson.....	1,400	31	46.8	93	do. 18	-22	do. 8	53	44.24	5.50	Dec.	1.71	do.	.....	179	.....	.....	.....	w.
Butler.....	Butler.....	1,077	20	51.0	98	do. 19†	-19	do. 8	20	44.09	6.15	May	1.41	do.	58.7	145	.....	.....	.....	sw.
Claysville.....	Washington.....	1,170	38	50.2	94	do. 18	-17	do. 8	38	44.52	6.20	Dec.	1.23	do.	45.3	130	.....	.....	.....	s.
Coudersport.....	Potter.....	1,653	14	46.1	92	do. 15†	-26	do. 8	14	56.86	14.39	July	1.88	do.	104.3	166				

Monthly and Annual Mean Temperatures for the Year 1942, with Departures from the Normal

STATIONS.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Allentown.....	27.2	-2.1	28.8	-0.6	41.4	+3.4	53.0	+4.6	63.4	+3.0	69.2	-0.5	74.2	+0.2	70.6	-1.4	64.6	-0.4	54.4	+1.5	43.0	+0.6	28.8	-3.5	51.5	+0.3
Altoona (near).....	27.0	-0.5	24.0	-3.6	38.8	+1.4	52.8	+5.1	62.0	+3.2	67.7	+1.1	71.0	0.0	63.0	-1.2	62.8	-0.3	53.5	+1.4	41.0	+0.6	25.7	-4.4	49.6	+0.3
Arendtsville.....	29.5	-0.6	29.7	-0.4	43.0	+3.6	55.6	+6.4	64.8	+4.4	71.2	+0.7	74.6	+0.2	72.0	-0.5	66.5	-0.3	55.8	+1.8	44.2	+1.6	29.8	-3.5	53.0	+1.0
Bedford.....	30.0	-1.3	27.6	-2.9	41.2	+2.0	54.2	+3.8	63.6	+2.3	70.3	+0.4	73.8	+0.1	70.0	-1.6	63.8	-1.1	55.0	+1.5	43.1	0.0	28.0	-5.1	51.7	-0.2
Bethlehem.....	28.0	-2.6	28.0	-3.3	43.0	+2.6	54.8	+3.6	64.2	+1.7	71.0	+0.4	74.4	0.0	70.7	-2.6	65.4	-1.5	55.8	0.0	43.8	-0.7	28.6	-5.1	52.3	-0.7
Bloomsburg (near).....	22.4	.....	26.2	.....	39.4	.....	51.6	.....	61.2	.....	67.4	.....	71.0	.....	68.7	.....	62.4	.....	52.0	.....	40.0	.....	25.2	.....	43.0	.....
Blue Mt. Interchange.....	30.6	.....	30.6	.....	42.4	.....	55.6	.....	65.7	.....	70.9	.....	75.9	.....	71.4	.....	66.4	.....	56.0	.....	45.9	.....	29.9	.....	53.4	.....
Bradford.....	24.2	.....	19.8	.....	35.5	.....	49.2	.....	58.8	.....	65.2	.....	66.9	.....	65.6	.....	59.0	.....	50.2	.....	38.2	.....	23.5	.....	46.2	.....
Breezewood Interchange.....	31.4	.....	29.6	.....	42.0	.....	55.4	.....	64.8	.....	70.6	.....	74.6	.....	70.2	.....	63.6	.....	53.9	.....	40.6	.....	27.4	.....	52.0	.....
Brookville.....	21.3	-0.4	22.0	-3.0	36.2	+2.9	49.0	+4.3	58.2	+2.7	65.4	+1.8	67.6	-0.4	66.2	+0.3	59.7	-0.8	50.4	+1.2	38.0	+0.4	21.7	-3.5	46.8	+0.4
Burnt Cabins.....	28.4	.....	27.6	.....	39.2	.....	52.8	.....	62.6	.....	69.2	.....	73.2	.....	68.8	.....	62.6	.....	53.4	.....	40.0	.....	27.3	.....	50.4	.....
Butler.....	28.5	-0.9	25.3	-3.0	40.6	+2.8	53.0	+5.2	62.4	+2.9	70.8	+2.8	73.2	+0.8	69.7	-0.5	64.0	-0.2	51.2	+1.3	42.7	+4.3	28.2	-3.6	51.0	+0.9
Carlisle.....	29.0	+0.4	30.0	-0.2	42.4	+3.7	56.8	+4.9	66.2	+4.5	71.6	+0.5	74.4	-0.7	71.3	-1.6	65.6	+0.1	56.0	+3.0	43.6	+2.0	29.4	-2.4	53.0	+1.2
Chambersburg.....	30.8	+1.0	30.2	-1.6	43.2	+3.4	55.7	+5.5	66.6	+5.3	72.2	+2.1	76.1	+1.3	72.2	-0.2	66.5	+0.2	55.4	+2.1	41.4	+4.0	30.4	-2.9	53.6	+1.5
Claysville.....	29.6	-1.5	27.2	-4.4	42.2	+1.2	53.8	+3.3	62.6	+1.8	69.4	+0.1	70.4	-2.8	67.4	-4.3	60.6	-7.3	52.5	-1.6	41.0	-1.3	26.2	-6.8	50.2	-2.0
Clearfield.....	25.9	-1.2	24.4	-3.7	38.4	+1.5	52.2	+4.4	61.6	+2.6	68.5	+1.2	70.2	-1.2	68.5	-1.5	62.6	-1.1	52.6	+0.2	39.8	-1.1	25.0	-5.0	49.2	-0.4
Coatesville.....	29.2	-1.1	29.6	-0.9	42.6	+2.8	55.6	+5.3	66.4	+4.1	72.2	+0.2	76.8	+2.1	72.4	-0.3	66.2	+0.1	55.6	+1.6	44.4	+1.6	29.7	-3.2	53.4	+1.3
Corry.....	22.7	-2.7	18.8	-7.0	34.3	+1.5	49.1	+4.6	58.5	+3.3	66.2	+0.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coudersport.....	22.0	-2.7	20.6	-4.0	35.2	+2.7	47.2	+3.4	57.6	+1.1	64.0	+0.2	70.2	+2.2	66.6	+0.5	59.7	-0.6	50.8	+3.7	37.2	+0.8	22.2	-5.0	45.1	+0.2
Derry.....	31.2	+0.6	26.6	-3.5	41.9	+2.1	51.4	+5.0	63.8	+3.2	70.8	+2.0	73.7	+1.0	70.4	+1.2	65.0	-0.5	56.8	+2.7	44.6	+2.5	29.6	-2.9	52.4	+1.1
Donora.....	32.4	-1.7	30.8	-3.8	43.4	+1.4	55.2	+3.8	64.7	+2.0	74.0	+2.6	76.6	+0.6	73.7	-0.5	66.8	-1.5	58.6	+2.8	45.2	+0.2	31.7	-4.8	51.4	+0.1
Eagles Mere.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57.7	.....	48.0	.....	36.2	.....	21.1	.....	.....	.....
Ebensburg.....	24.8	-1.2	22.3	-5.5	37.0	+1.3	50.8	+5.9	57.2	+0.8	64.4	-0.5	67.6	-0.8	.....	.....	61.2	-0.4	50.8	-0.2	37.6	+1.1	23.0	-6.1	.....	.....
Edinboro.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Emporium.....	22.8	-1.2	21.2	-3.4	36.1	+0.8	51.3	+4.7	59.4	+1.5	66.2	+0.3	69.7	-0.1	66.7	-1.0	60.0	-1.5	50.4	+0.3	39.9	+0.6	24.8	-4.6	47.4	-0.6
Ephrata.....	29.2	-1.2	30.8	+0.4	43.6	+3.5	55.4	+4.9	66.2	+4.3	72.2	+2.5	75.8	+0.8	72.6	+0.2	66.8	+0.5	56.1	+1.3	45.4	+2.0	30.8	-2.1	53.8	+1.5
Erie.....	27.4	+0.6	23.4	-3.5	37.4	+3.9	52.0	+6.9	60.1	+3.3	67.8	+1.6	71.6	+0.6	70.2	+0.6	65.0	+1.4	54.9	+1.5	42.8	+1.4	28.4	-3.5	60.1	+1.3
Franklin.....	25.9	-0.6	22.8	-3.0	37.6	+2.2	50.8	+4.9	59.0	+1.4	67.4	+1.2	69.0	-1.7	67.4	-1.1	61.4	-1.3	52.2	+1.0	40.4	+0.9	28.0	-1.6	48.4	+0.1
Freeland.....	22.6	-1.6	19.2	-5.5	36.2	+3.4	50.8	+6.6	61.0	+4.4	66.2	+1.2	70.7	+1.4	68.6	-3.1	59.2	-0.9	46.6	+1.1	38.8	+1.5	22.6	-4.8	46.4	+0.1
George School.....	29.4	-2.0	30.2	-1.2	42.6	+2.1	54.6	+5.8	64.7	+4.7	70.7	+1.3	75.0	+0.8	72.4	+0.3	67.5	+1.2	56.6	+1.3	45.6	+1.8	30.2	-3.4	53.4	+1.0
Gettysburg.....	30.8	+0.7	31.0	-0.4	44.6	+4.5	56.4	+5.4	66.6	+4.7	71.2	+0.9	74.5	+0.1	71.5	-0.8	66.8	+0.8	56.6	+3.1	44.8	+2.3	30.8	-2.0	53.8	+1.6
Gordon.....	29.0	-0.2	26.3	-1.0	39.4	+2.7	51.2	+3.7	61.6	+3.5	67.8	+1.7	71.0	+0.5	67.7	-0.6	62.3	-0.1	52.6	+1.9	41.5	+1.6	27.2	-2.4	49.4	+0.7
Greensburg.....	30.4	-0.7	27.0	-4.7	42.0	+2.0	55.3	+5.2	63.4	+3.1	70.9	+2.3	73.3	+0.7	70.7	-0.3	65.2	-0.3	56.4	+2.2	44.4	+1.5	29.2	-4.0	52.4	+0.6
Grove City.....	28.2	+0.7	25.2	-2.6	39.2	+2.1	54.4	+6.5	62.2	+3.8	69.4	+2.9	71.7	+1.1	69.0	+0.1	63.6	+0.2	53.7	+1.4	41.2	+0.6	.....	.....	.....	.....
Hanover.....	31.2	-1.6	31.1	-2.1	44.4	+2.1	57.0	+4.7	66.8	+3.6	72.3	+0.9	74.9	+0.9	71.6	-2.0	66.3	-1.4	56.0	+0.2	44.1	+0.9	29.7	-5.1	53.8	-0.2
Harrisburg.....	29.1	+0.1	29.8	-0.4	42.8	+3.9	56.0	+5.1	66.2	+4.4	71.4	+1.1	76.0	+1.2	72.1	-0.5	66.6	+0.8	57.0	+2.2	43.8	+1.0	30.5	-2.2	53.4	+1.3
Hawley.....	26.0	+0.7	23.3	-2.5	37.5	+2.9	50.3	+6.1	61.0	+3.9	66.6	+0.6	71.0	+0.7	67.2	-0.8	61.7	+0.7	50.8	+1.5	40.0	+0.8	24.6	-4.1	48.4	+0.9
Holtwood.....	30.2	-1.5	31.0	-1.7	42.8	+1.6	55.4	+4.3	66.7	+3.8	72.8	+0.2	77.0	0.0	73.8	-1.2	68.7	-0.4	57.8	+1.4	45.3	+0.2	31.6	-3.2	54.4	+0.3
Huntingdon.....	29.0	+0.1	27.9	-1.6	40.3	+1.6	54.0	+4.7	63.4	+3.1	69.6	+1.1	73.5	+1.1	70.3	-0.4	64.6	0.0	54.8	+2.1	40.5	-1.2	27.3	-4.5	51.2	+0.4
Indiana.....	28.7	-0.6	23.2	-6.4	39.1	+0.5	52.2	+3.0	62.5	+2.8	68.5	+0.7	71.0	-0.6	68.4	-0.6	63.8	-0.7	54.7	+2.3	42.4	+1.3	27.0	-4.1	50.2	-0.2
Irwin.....	29.4	-0.9	26.8	-3.5	41.6	+1.8	54.0	+4.7	62.9	+2.7	70.4	+1.7	73.2	+0.9	70.4	-0.4	64.4	-0.3	55.7	+1.8	43.2	+1.1	28.6	-4.1	51.7	+0.4
Johnstown.....	27.6	-2.7	24.6	-5.9	39.4	+0.2	52.4	+2.7	61.6	+0.6	68.6	-0.8	71.0	-2.2	68.6	-2.8	63.0	-2.6	54.0	+0.3	41.0	+1.0	26.8	-5.9	49.9	-1.7
Kane Airway Station.....	21.2	-2.6	17.2	-5.2	33.1	+1.5	47.4	+3.3	55.8	+0.1																

STATIONS

[Continued on page 89].

Monthly and Annual Precipitation for the Year 1942, with Departures from the Normal - Continued

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
WEST BRANCH (continued)																										
Emporium.....	1.37	-2.29	2.63	-0.19	5.42	+1.69	*2.56	-1.13	4.83	+0.64	3.03	-1.31	11.83	+6.42	2.25	-1.73	4.96	+1.48	3.66	+0.43	3.75	+0.91	*5.20	+1.98	50.49	+6.9
English Center.....	1.97		1.90		4.49		1.47		5.85		1.12		7.62		1.56		4.32		3.95		3.33		4.06		4.07	
Gaileton.....	1.87	-0.72	2.06	+0.12	4.37	+0.61	1.86	-1.01	1.86	+2.45	2.67	-0.70	7.24	+3.51	5.75	+1.78	6.35	+3.10	3.31	+0.45	3.33	+0.46	5.62		4.07	
Karthaus.....	1.38		2.09		5.06		1.97		4.01		2.24		4.71		3.02		4.28		3.22		3.57		5.62		41.20	
Kylertown.....	1.44	1.01	2.71	+0.58	5.15	+1.12	1.88	-1.07	1.80	+1.17	3.77	+0.21	4.14	+0.43	3.22	-0.15	2.79	+0.15	3.76	+1.02			5.01	+2.16	11.83	-1.71
Lock Haven.....	1.13	-2.01	2.16	-0.38	5.26	+1.89	1.77	-1.81	6.16	+2.11	2.82	-1.44	5.42	+1.42	2.50	-1.51	3.08	0.00	3.45	+0.32	3.07	+0.96	5.01	+2.16	11.83	-1.71
Medix Run.....									3.55		1.92		7.00		3.16		3.61		1.08		2.41		5.19			
Renovo.....	1.53	-1.22	3.06	+0.71	4.90	+1.97	1.70	-1.61	7.73	+3.88	2.73	-1.50	8.42	+4.29	1.84	-1.70	3.71	+0.75	2.92	-0.11	3.70	+1.25	5.02	+2.47	17.26	+9.15
Shaffers Path.....	1.52		3.09		4.41		2.42		6.80		1.77		6.21		2.91		5.50		4.81		3.24		5.07		17.78	
State College.....	2.09	-0.99	1.35	-1.12	5.17	+1.83	1.62	-1.98	6.55	+2.66	3.28	-0.84	3.70	-0.16	2.78	-0.70	3.83	+0.93	3.51	+0.49	2.21	-0.07	4.75	+2.08	40.87	+2.13
Tamarack Tower.....	1.30		3.20		5.30		1.84		6.13		2.44		11.53		4.00		3.40		3.77		3.85		4.94		51.70	
Wellsboro.....	1.27	-1.00	2.12	+0.10	3.10	+0.44	1.44	-1.62	5.19	+1.79	2.47	-1.26	6.08	+2.88	3.92	+0.74	5.28	+2.33	2.69	-0.34	3.04	+0.82	4.12	+1.98	40.72	+6.86
Williamsport.....	1.25	-1.71	2.79	+0.29	3.20	-0.02	1.79	-1.85	4.56	+0.73	1.10	-2.76	5.09	+1.25	2.46	-1.27	4.33	+1.29	3.84	+0.62	3.00	+0.63	4.64	+1.75	38.05	-1.05
JUNIATA																										
Altoona (near).....	1.91	-1.05	3.12	+0.79	4.89	+1.61	3.30	-0.22	5.38	+1.36	1.74	+0.89	4.34	+0.34	3.35	-0.14	3.75	+0.80	4.29	+1.10	2.64	+0.22	5.48	+2.74	47.22	+8.43
Bedford.....	1.47	-1.60	1.71	-0.25	4.99	+1.06	2.43	-0.88	5.88	+2.48	4.11	-0.06	4.60	+0.58	4.90	+1.33	3.56	+0.50	5.82	+2.88	1.90	-0.45	3.84	+1.14	45.21	+6.73
Breezewood Intchg.....	1.49		1.19				2.12		6.36		6.38		2.60		4.81		3.24		5.61		1.65		*3.78		40.06	+5.09
Buffalo Mills.....	1.41	-1.35	1.78	-0.55	1.02	+0.80	2.18	-1.37	4.46	+1.27	3.28	-0.43	4.84	+1.22	3.39	+0.37	3.41	+0.87	5.64	+3.07	1.81	-0.67	3.84	+1.84	30.06	
Burnt Cabins (near).....	1.68		1.88		5.41		2.02		6.13		4.36		4.88		5.31		2.23		5.23		2.22		3.13		43.98	
Charter Oak (near).....	1.03		1.76		4.13		2.02		6.91		5.18		5.31		4.39		3.95		3.60		2.44		5.44		42.41	
East Waterford.....	1.19		2.63		5.54		2.06		6.70		5.18		5.31		3.56		1.75		6.57		2.44		4.92		46.65	
Huntingdon.....	1.71	-1.49	2.10	-0.59	4.66	+1.20	*1.76	-1.73	7.05	+3.30	4.49	+0.37	5.22	-1.51	3.52	-0.36	4.71	+1.02	3.43	+0.36	1.98	-0.25	5.49	+2.48	43.36	+3.40
Lowstown.....	1.40		1.79		*4.89		2.06		7.60		4.23		5.02		4.27		4.23		4.71		2.73		*5.34		18.27	
Loop Mt. Tower.....	1.49		3.11		6.27		2.77		7.22		4.17		4.41		4.59		3.27		4.52		2.40		5.59		49.81	
Mapleton Depot.....	1.42		2.52		5.58		2.06		5.23		4.48		2.87		4.15		3.44		3.74		1.98		4.64		42.11	
Martinsburg.....	2.19		2.39		3.91		2.20		5.65		4.69		1.41		2.42		2.46		4.15		1.68		4.67		37.36	
New Bloomfield.....	2.19		2.39		6.06		2.48		7.39		4.81		6.60		5.81		5.62		6.91		2.81		5.35		58.45	
Newport.....	1.40	-1.58	3.08	+0.66	4.53	+0.85	2.01	-1.40	6.99	+3.23	3.30	-0.26	6.20	+1.74	6.16	+1.90	4.00	+0.61	6.29	+2.51	2.84	-0.18	5.25	+2.07	52.25	+10.15
Saxton.....	1.64		2.18		4.97		1.92		6.31		4.66		1.70		3.03		3.81		4.87		2.05		4.73		41.87	
Shade Gap.....	1.67		2.17		3.73		2.11		7.15		4.69		5.50		6.27		2.34		4.59		2.55		4.80		47.57	
Shaver Creek.....							2.22		6.36		3.24		3.68		4.33		3.88		3.62							
LOWER SUSQUEHANNA																										
Arendtsville.....	1.58	-1.42	3.27	+0.43	5.91	+2.43	1.78	-1.77	7.71	+3.87	7.11	+2.02	7.43	+3.55	6.13	+1.38	3.61	-0.05	5.15	+1.65	2.30	-0.08	1.95	+1.73	56.93	+13.74
Blossville.....	2.54	-0.63	2.29	-0.24	5.33	+2.16	1.85	-1.71	6.80	+2.16	7.56	+2.24	8.06	+3.26	7.37	+1.56	2.68	-0.91	6.40	+2.81	2.88	+0.31	5.90	+3.18	59.66	+14.49
Blue Mt. Intch.....	1.59		2.14		4.53		1.62		7.40		6.33		5.40		5.57		2.02		6.27		2.66		5.74		51.27	
Carlisle.....	2.43	-0.75	2.58	-0.87	4.74	+1.43	1.91	-1.45	7.49	+4.11	5.78	+1.92	6.08	+2.25	6.60	+1.88	2.82	+0.10	5.80	+2.41	2.89	+0.57	5.08	+1.98	54.00	+13.58
Colebrook.....	2.33	-1.08	2.3	-1.08	3.81	-0.02	1.58	-2.12	8.20	+4.61	5.12	+1.03	5.48	+1.20	6.16	+1.07	4.99	+1.72	6.19	+2.67	2.91	+0.48	5.23	+1.76	54.33	+10.24
Ephrata.....	2.56	-0.51	2.37	-0.58	4.34	+1.01	1.41	-1.79	5.66	+2.62	5.82	-1.44	9.71	+5.33	10.99	+6.73	3.76	+0.39	4.38	+1.28	3.29	+1.03	4.78	+1.66	56.07	+15.73
Glen Rock.....	1.92		2.52		4.88		1.52		8.08		5.39		5.31		6.97		4.96		5.30		2.42		4.22		53.52	
Gordon.....	2.64	-1.13	2.04	-1.23	3.97	+0.08	1.45	-2.75	11.44	+7.52	3.11	-1.32	5.67	+0.81	3.56	-0.60	6.98	+2.35	4.42	+0.10	2.92	-0.26	5.57	+1.85	53.77	+6.02
Hanover.....	2.18	-0.97	2.31	-0.50	5.23	+1.94	1.59	-1.74	5.40	+2.03	1.84	+0.83	7.93	+3.71	6.85	+2.33	2.77	-0.27	5.98	+3.04	2.29	+0.03	4.42	+1.37	51.81	+11.83
Harrisburg Airport.....	2.37	-0.72	2.93	-0.03	3.11	+0.10	1.51	-1.15	6.39	+2.95	3.63	+0.04	5.53	+1.70	4.60	+0.56	2.58	-0.47	4.30	+1.47	2.19	-0.07	5.04	+2.02	44.34	+6.40
Holtwood.....	1.45	-1.71	2.32	-0.40	4.30	+1.28	1.29	-1.55	3.03	+0.26	3.04	-0.17	3.64	-0.13	9.02	+5.10	2.80	+0.04	4.80	+1.99	2.51	+0.37	3.86	+1.18	42.06	+6.21
Huntsdale.....	1.63		2.74		5.66		2.16		6.57		6.62		4.89		7.73		2.92		6.44		2.80		4.74		51.90	
Lancaster.....	2.64	-0.55	2.08	-0.59	4.09	+0.77	1.67	-1.59	6.99	+4.04	4.43	+0.37	6.13	+1.85	7.90	+3.82	3.30	-0.07	5.14	+2.05	2.95	+0.57	4.27	+1.08	51.59	+11.75
Lebanon.....	1.57	-1.77	3.11	+0.01	3.51	+0.03	1.59	-1.90	10.12	+6.86	4.06	+0.29	6.24	+1.87	6.76	+2.33	5.08	+1.67	5.41	+2.02	2.79	+0.28	5.39	+2.05	55.66	+13.16
Manada Gap.....	2.64		2.97		3.94		2.17		7.29		3.96		6.17		7.20		3.99		5.20		2.94		5.60		54.07	
Middletown.....	1.95	-0.92	1.91	-0.48	4.35	+0.72	1.77	-1.59	7.18	+3.79	3.81	-0.06	8.60	+5.05	4.67	+0.09	3.09	-0.62	5.59	+1.96	2.02	-0.28	5.24	+2.76	50.18	+10.42
Millersburg.....	2.03		1.90		2.79		1.58		8.23		2.69		4.03		2.76		3.38		4.96		2.89		1.88		42.12	
New Park.....	2.22	-1.31	2.55	-0.51	5.61	+2.21	1.45	-2.06	6.18	+2.90	4.26	+0.61	8.35	+4.31	9.89	+5.42	3.85	+0.59	7.38	+4.23	2.77	+0.47	3.79	+0.59	58.30	+17.48
Penn Nursery.....																										

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
ALLEGHENY (continued)																										
Coudersport	1.88	-0.92	3.46	+1.06	5.24	+1.70	2.56	-0.96	4.59	+0.92	3.22	-0.99	14.39	+9.77	5.20	+1.83	5.54	+2.45	3.14	-0.16	3.97	+0.91	3.67	+0.91	56.86	+16.52
Crooked Creek Dam	1.77		2.26		3.25		2.63		2.98		2.66		1.30		1.64		2.87		6.52		2.77		4.27		34.92	
Derry	1.46	-2.42	3.74	+0.72	4.21	+2.35	3.34	-0.39	3.80	+0.16	4.15	-0.79	3.53	-0.94	2.90	-1.17	3.31	+0.17	3.90	+0.66	4.62	+1.99	4.99	+1.59	45.85	+1.93
Dunlo	2.14		2.84		4.73		2.99		6.27		4.02		3.26		2.75		3.21		5.13		3.17		5.21		45.72	
Ebensburg	2.03	-1.56			4.28	+0.64	3.55	+0.35	6.15	+1.81	4.51	-0.33	2.46	-1.70					4.47	+1.15	3.41	+0.53	4.76	+1.78		
Edinboro	2.06	-0.46	3.84	+1.41	5.50	+2.05	3.11	-0.78	8.90	+4.45	4.50	+0.29	6.11	+2.11	*1.86	-2.15	3.70	+0.48	6.03	+0.63	*4.70	+0.54	4.93	+1.56	55.24	+10.13
Franklin	0.98	-2.44	2.74	+0.25	5.59	+2.24	2.76	-0.74	4.79	+0.91	2.13	-2.00	5.78	+1.51	3.21	-0.48	4.90	+1.51	4.40	+1.11	4.09	+1.16	4.56	+1.38	45.93	+4.41
Home	*2.15				3.14		3.16		3.15		5.09		3.80		1.88		3.42		5.03		3.44		5.52			
Indiana	2.38	-1.38	3.19	+0.33	4.85	+1.10	4.93	+1.05	4.29	+0.18	4.98	+0.23	1.50	-3.19	2.05	-1.87	4.28	+0.63	3.89	+0.38	3.81	+1.04	5.90	+2.57	46.05	+1.07
Johnstown	2.29	-2.03	4.14	+0.66	5.49	+0.99	4.67	-0.72	5.50	+1.41	5.21	+0.01	3.06	-1.23	2.46	-2.06	3.16	-0.08	4.50	+1.24	4.15	+1.27	5.39	+1.62	50.02	+2.52
Kane	2.09		3.80		6.04		3.49		5.14		3.58		7.65		*3.19		6.18		5.31		5.77		6.35		58.56	
Laurel Hill Summit	2.55		4.34		5.99		3.79		5.48		3.97		6.03		4.89		4.23		5.40		4.43		5.59		59.69	
Laurel Hill Tunnel	2.48		2.66		5.87		4.35		6.20		4.63		4.78		4.68		3.75		3.95		4.30					
Lycippus	2.49	-1.64	6.60	+1.47	6.36	+2.43	3.94	+0.12	6.94	+2.96	4.82	-0.06	2.48	-2.18	5.17	+0.75	3.94	+0.66	3.95	+0.55	5.01	+2.34	5.50	+1.95	55.20	+9.35
Mahoning Dam	1.77		2.11		5.14		2.07		3.61		3.00		2.39		2.98		4.92		6.32		3.27		5.65		43.23	
Marienville	1.55		2.79		5.76		2.69		4.85		2.93		5.81		3.34		5.53		*5.25		3.64		5.31		49.45	
Meadville	1.31	-2.03	2.70	+0.18	3.25	-0.13	3.26	-0.27	5.30	+1.19	2.27	-1.79	7.57	+3.60	1.97	-1.56	3.22	-0.48	4.36	+0.59	4.84	+1.30	4.40	+1.22	44.45	+1.82
Mosgrove	1.56	-2.27	3.63	+0.89	4.44	+0.77	2.41	-0.92	3.37	-1.78	2.52	-2.08	2.81	-1.75												

† Total to 1:30 p.m., E. S. T., Dec. 31.

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1888	47.9	100	-31	45.91	39.7	130	110	116	140
1889	49.8	96	-27	52.67	22.3	136	112	113	140
1890	50.5	101	-18	51.28	55.5	141	106	116	143
1891	50.6	100	-14	45.65	34.1	124	124	108	133
1892	49.3	103	-28	41.30	54.0	125	123	106	137
1893	48.7	102	-25	44.26	61.6	126	116	120	129
1894	51.3	103	-28	43.69	63.1	117	132	116	117
1895	49.4	104	-25	33.51	39.7	104	143	115	107
1896	50.5	101	-26	41.95	42.4	114	124	113	129
1897	50.0	103	-12	42.73	37.2	124	128	106	131
1898	51.3	107	-16	45.49	38.8	130	123	107	135
1899	50.0	101	-39	40.93	47.9	112	134	111	120
1900	51.5	104	-23	37.31	33.3	111	130	114	121
1901	49.4	107	-22	45.54	35.4	123	118	111	136
1902	49.6	100	-24	47.29	60.3	125	123	115	127
1903	49.6	99	-17	46.27	37.3	121	130	105	130
1904	47.5	99	-42	40.44	50.8	127	133	104	129
1905	49.4	99	-25	43.34	40.9	128	133	109	123
1906	50.8	99	-21	42.78	45.0	129	128	104	133
1907	48.5	98	-23	45.45	54.5	132	136	102	127
1908	50.9	104	-29	39.58	54.4	108	157	104	105
1909	50.2	100	-19	37.38	41.4	117	140	102	123
1910	49.9	99	-22	38.99	67.6	119	135	99	131
1911	51.1	105	-18	45.52	39.2	133	131	93	141
1912	49.0	100	-35	44.13	38.6	126	133	99	134
1913	51.7	102	-9	43.25	24.4	125	148	84	133
1914	49.3	101	-28	38.24	64.2	122	144	97	124
1915	50.1	99	-26	44.26	42.8	131	141	99	125
1916	49.6	103	-31	40.98	51.4	133	153	100	113
1917	47.3	105	-29	41.71	45.6	130	143	110	112
1918	50.2	108	-34	44.06	43.4	124	156	98	111
1919	51.1	104	-23	46.86	26.2	136	152	96	117
1920	49.2	99	-23	40.63	46.0	101	146	102	118
1921	53.1	104	-15	41.80	30.2	130	155	96	114
1922	51.4	100	-19	34.88	39.1	119	155	97	113
1923	50.4	103	-20	39.17	40.7	125	158	91	116
1924	48.4	102	-25	43.13	44.1	123	151	97	118
1925	50.3	104	-29	37.86	44.2	124	149	101	115
1926	48.7	105	-20	43.11	49.8	135	136	99	130
1927	50.9	100	-24	42.30	30.3	140	142	91	132
1928	50.5	99	-23	42.06	37.8	131	145	102	119
1929	50.5	101	-20	44.21	36.7	129	144	99	122
1930	51.2	108	-24	28.82	27.6	110	153	94	118
1931	52.8	105	-16	37.36	22.5	123	151	94	120
1932	51.6	105	-14	39.02	27.8	121	152	92	122
1933	51.7	107	-22	45.43	33.1	135	146	96	123
1934	50.6	107	-34	39.17	30.4	118	159	95	111
1935	50.2	104	-26	40.43	49.7	136	138	92	135
1936	50.4	111	-30	42.57	50.1	127	147	93	126
1937	50.7	101	-14	46.62	27.1	139	134	96	135
1938	51.8	100	-20	40.81	30.1	131	142	95	128
1939	51.7	101	-18	37.06	33.8	126	142	97	126
1940	48.6	105	-19	43.71	47.9	133	120	94	152
1941	51.3	104	-15	34.12	42.4	112	146	95	124
1942	50.5	102	-30	47.84	51.0	137	125	102	138
1943									
1944									
1945									
Period	50.2	111	-42	42.04	41.8	125	138	102	125

KILLING FROSTS OR FREEZING TEMPERATURE

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
Allentown	Apr. 15	Oct. 27	Lock Haven	Apr. 15	Sept. 25
Altoona (near)	May 11	Sept. 25	Mauch Chunk	May 11	do. 30
Bedford	Apr. 22	do. 25	Meadville	do. 12	do. 25
Bloomburg (near)	May 11	do. 28	Midland	Apr. 14	do. 25
Brookville	do. 11	do. 24	Montrose	May 11	do. 22
Butler	do. 11	do. 22	New Castle	do. 11	do. 29
Carlisle	Apr. 14	do. 29	Philadelphia	Feb. 28	Oct. 27
Chambersburg	do. 14	do. 29	Phoenixville	May 11	Sept. 29
Claysville	Apr. 22	do. 29	Pittsburgh	Apr. 13	do. 28
Clearfield	May 11	do. 25	Port Clinton	May 11	do. 29
Coatesville	Apr. 14	do. 29	Quakertown	do. 11	do. 29
Corry	May 11	do. 25	Reading	Apr. 14	Oct. 28
Coudersport	May 27	Aug. 25	Ridgway	May 12	Sept. 25
Eagles Mere	do. 25	Sept. 25	Scranton	Apr. 14	Oct. 27
Emporium	May 11	do. 25	Selinsgrove	May 11	Sept. 25
Erie	Apr. 13	Oct. 27	Somerset	Apr. 24	do. 25
Franklin	May 12	Sept. 29	Springs	May 11	do. 25
George School	Apr. 14	do. 30	State College	Apr. 14	do. 29
Gettysburg	do. 11	do. 29	Stroudsburg	May 11	do. 25
Gordon	May 11	do. 29	Towanda	do. 11	do. 29
Greensburg	Apr. 22	do. 29	Uniontown	Apr. 22	do. 30
Greenville	May 5	do. 28	Vandergrift	May 21	do. 25
Harrisburg	Apr. 14	Oct. 28	Warren	do. 11	do. 25
Hawley	May 11	Sept. 29	Waynesburg	Apr. 22	do. 29
Huntingdon	do. 11	do. 25	Wellsboro	May 12	do. 21
Indiana	Apr. 22	Sept. 25	West Chester	Apr. 14	Oct. 27
Johstown	do. 22	do. 25	Williamsport	May 11	Sept. 25
Lancaster	May 11	do. 29	Williamstown	Apr. 13	do. 29
Lawrenceville	do. 11	do. 29	York	Apr. 22	do. 29
Lebanon	Apr. 14	do. 25			

MONTHLY STATE DATA

Month	Temperature						Precipitation					
	Mean	Dep. from normal	Highest sta. mean	Lowest sta. mean	Highest	Lowest	Average	Dep. from normal	Greatest	Least	Greatest in 24 hrs.	Average snow
January	27.3	-1.0	35.0	18.7	64	-30	1.86	-1.33	3.61	0.81	1.37	7.6
February	25.9	-2.4	34.3	16.9	58	-21	2.62	-0.22	4.60	0.75	1.73	9.4
March	40.0	+2.4	46.6	32.9	76	4	4.47	+0.95	7.95	2.01	3.10	16.1
April	52.8	+4.1	57.0	47.2	94	14	2.21	-1.21	4.93	1.08	3.30	4.5
May	62.5	+2.8	69.0	55.8	99	22	5.88	+2.03	11.72	1.59	6.14	0.0
June	69.0	+0.9	75.0	61.8	96	34	3.82	-0.32	8.16	1.10	4.22	0.0
July	72.5	+0.3	79.6	63.4	102	35	5.16	+0.88	14.39	1.00	8.48	0.0
August	69.5	-0.8	76.1	62.2	96	27	4.53	+0.31	13.77	0.69	6.17	0.0
September	63.7	-0.5	70.6	56.6	96	19	4.38	+1.01	9.70	1.68	6.58	T.
October	53.9	+1.3	59.5	46.6	88	15	4.51	+1.28	8.85	2.59	3.90	0.1
November	41.8	+0.4	48.2	34.9	82	0	3.35	+0.49	5.77	1.19	1.98	1.8
December	27.4	-4.0	34.2	20.8	62	-25	5.05	+1.93	6.76	2.08	2.60	11.5
Year	50.5	+0.3	79.6	16.9	102	-30	47.84	+5.80	14.39	0.69	8.48	51.0

ERRATA FOR 1942 MONTHLY ISSUES

JANUARY: Page 5—Titusville, total precipitation should be 1.55 inches, partially estimated.

MARCH: Page 18—Laurel Hill Summit, precipitation on the 16th should be 0.94 inch; total should be 5.99 inches. Page 19—Youngsville, total precipitation should be 6.38

inches, partially estimated.

DECEMBER: Page 81—Glen Rock, precipitation on 30th should be 2.74 inches; total should be 4.22 inches.

COOPERATIVE AND RAINFALL OBSERVERS

Stations	Observers	Stations	Observers	Stations	Observers
Acmetonia.....	U. S. Engineers.	Greensboro.....	U. S. Engineers.	Philipsburg (Apt.)...	U. S. Weather Bureau.
Allens Mills.....	Fed-State Flood Festg Ser.	Greensburg.....	Westmoreland Water Co.	Phoenixville.....	Phila. Sub. Water Co.
Allentown.....	Allentown-Beth. Gas Co.	Greenville.....	Thiel College.	Pikes Creek.....	Fed-State Flood Festg Ser.
Altoona (near).....	City of Altoona.	Grove City.....	Prof. H. W. Harmon.	Pine Grove.....	Penn. P. & L. Co.
Ansonia.....	E. N. Jenckes.	Hanover.....	Hanover Evening Sun.	Pittsburgh.....	U. S. Weather Bureau.
Ardmore.....	H. L. Balderston.	Harrisburg.....	U. S. Weather Bureau.	Pleasant Mount.....	Merle Lillie.
Arendtsville.....	Pa. St. Col. Expt. Sta.	Hawley.....	Mrs. Della M. Pennell.	Port Clinton.....	E. E. Rarick.
Bald Eagle.....	Fed-State Flood Festg Ser.	Hewitt (near).....	D. G. Roland.	Pottstown.....	W. F. Christman.
Beaver Falls.....	H. J. Kemp.	Hollisterville.....	Penn. P. & L. Co.	Pottsville.....	Pottsville Water Co.
Bedford.....	Charles C. Lee.	Holtwood.....	Penna. Water & Power Co.	Punxsutawney.....	J. E. Thomas.
Bellefonte.....	Amer. Lime & Stoue Co.	Home.....	Fed-State Flood Festg Ser.	Pymatuning Dam.....	Pa. Dept. Forests & Waters
Berwindsdale.....	W. F. Sherwood.	Huntingdon.....	Prof. Paul R. Yoder.	Quakertown.....	John E. Benner.
Bethlehem.....	Lehigh University.	Hyndman.....	W. J. Emerick.	Raymond.....	Fed-State Flood Festg Ser.
Blairsville.....	U. S. Airway Station.	Indiana.....	Indiana St. Teachers Col.	Reading.....	U. S. Weather Bureau.
Blakeslee Corners.....	Fed-State Flood Festg Ser.	Irwin.....	Westmoreland Water Co.	Renovo.....	Mrs. C. W. Baird.
Bloomsburg (near).....	Benj. F. Connors.	Johnstown.....	Robert Tross.	Retreat.....	Theo. J. Sampson.
Blossville.....	Mrs. Bessie M. Willders.	Kane.....	U. S. Weather Bureau.	Ridgway.....	West Penn. Power Co.
Blue Mt. Intg.....	Penna. Turnpike Comm.	Karthauss.....	Mrs. H. S. Rougeux.	Ringtown.....	Shen'doah M'c'p'l Auth'y.
Bradford.....	City Water Dept.	Kellogg Mt. Tower.....	Fed-State Flood Festg Ser.	Saltsburg.....	Walter B. Sullivan.
Breezewood Intg.....	Penna. Turnpike Comm.	Kylertown.....	U. S. Weather Bureau.	Saxton.....	Fed-State Flood Festg Ser.
Brookville.....	Civil Aeronautics Auth'y.	Lakeville.....	Penn. P. & L. Co.	Scranton.....	U. S. Weather Bureau.
Bucktown.....	Fed-State Flood Festg Ser.	Lancaster.....	Lancaster Water Bureau.	Seward.....	Dr. George E. Fisher.
Buffalo Mills.....	Nelle R. Brown.	Lansford.....	Lehigh Nav. Coal Co.	Shade Gap.....	Edward L. Stutzman.
Burnt Cabins (near).....	Penna. Turnpike Comm.	Laurel Hill Summit.....	Frank J. Houpt.	Sharon.....	Fed-State Flood Festg Ser.
Butler.....	The Butler Eagle.	Laurel Hill Tunnel.....	Penna. Turnpike Comm.	Shavers Path Tower.....	Fed-State Flood Festg Ser.
Canton.....	Fed-State Flood Festg Ser.	Lawrenceville.....	Carlos P. Darling.	Shippensburg.....	Carnegie-III. Steel Corp.
Carlisle.....	Clarence E. Miller.	Lebanon.....	Lebanon Valley Gas Co.	Smithport.....	Prof. Keith E. Allen.
Carter Camp.....	Fed-State Flood Festg Ser.	Lewistown.....	Penna.-Edison Co.	Somersett.....	A. J. Hileman.
Cedar Run.....	Chas. R. Nivison.	Lock Haven.....	Wm. R. Kelley.	South Mountain.....	D. L. Grove.
Chambersburg.....	Wm. B. Spear.	Loop Mt. Tower.....	Fed-State Flood Festg Ser.	Springs.....	Pa. Dept. of Health.
Cherry Grove.....	Fed-State Flood Festg Ser.	Lycippus.....	Westmoreland Water Co.	State College.....	Allen E. Yoder.
Clarion.....	Clarion River Power Co.	Manada Gap.....	Harrisburg Water Dept.	Strongstown.....	Penn State College.
Claysville.....	Geo. J. Melvin.	Mapleton Depot.....	Elijah C. Smith.	Stroudsburg.....	Harry F. Bennett.
Clearfield.....	Otto J. W. Eppers.	Marcus Hook.....	Sun Oil Co.	Susquehanna.....	Metropolitan-Edison Co.
Coatesville.....	Howard L. Pyle.	Martinsburg.....	U. S. Forest Service.	Tamarrack Tower.....	Chas. W. Baylor.
Colebrook.....	William A. Korer.	Matamoras.....	Blue Mountain Canneries.	Tanners Falls.....	Raymond J. Holleran.
Confluence.....	John L. Reed.	Mauch Chunk.....	Henry Bisland.	Tionesta Dam.....	Fed-State Flood Festg Ser.
Connellsville.....	Miss. Monica Atkins.	McConnellsburg.....	Henry S. Haak.	Titusville.....	Leslie E. Walter.
Conshohocken.....	Russell C. Erb.	Meadville.....	Ruth L. Roettger.	Towanda.....	Fed-State Flood Festg Ser.
Coraopolis.....	U. S. Engineers.	Medix Run.....	City of Meadville.	Tunkhannock.....	Fed-State Flood Festg Ser.
Corry.....	Penna. Electric Co.	Mercer.....	Fed-State Flood Festg Ser.	Union City.....	John Coliskey.
Coudersport.....	Philip R. Shaw.	Mercersburg.....	U. S. Weather Bureau.	Uniontown.....	Fed-State Flood Festg Ser.
Covington.....	Dora Jelliff.	Merwinsburg.....	Fred F. Unger.	Unity Reservoir.....	Wm. W. Marsteller.
Crooked Creek Dam.....	U. S. Engineers.	Meyersdale.....	C. K. Gould.	Vandergrift.....	Westmoreland Water Co.
Danville.....	Fed-State Flood Festg Ser.	Middletown.....	Louis M. Weld.	Warren.....	Carnegie-III. Steel Corp.
Derry.....	Miss N. Dixie Wineman.	Midland.....	U. S. Army.	Washington.....	Harold L. Johnson.
Donora.....	Donora Zinc Works.	Millersburg.....	Perry B. Campbell.	Waynesburg.....	Fed-State Flood Festg Ser.
Doylestown.....	Geo. Hart.	Millville.....	Fed-State Flood Festg Ser.	Wellsboro.....	Thomas S. Knox.
Driftwood.....	Fed-State Flood Festg Ser.	Montrose.....	Harry S. Fancher.	Wernersville.....	M. S. Bliss.
Du Bois.....	Du Bois Water Dept.	Mosgrove.....	U. S. Engineers.	West Chester.....	Milton J. Sterner.
Dunlo (near).....	Fed-State Flood Festg Ser.	Mt. Lebanon.....	Fred Hoffman.	Westgrove.....	Clyde T. Saylor.
Eagles Mere.....	Carl E. Biggers.	Mount Pocono.....	Cecil J. Hoskinson.	Wilkes-Barre.....	Conard-Pyle Co.
East Waterford.....	U. S. Weather Bureau.	Murrysville.....	Wm. H. McWilliams.	Williamsport.....	U. S. C'm'c'tions Station.
Ebensburg.....	Miss Emma H. Eastman.	Neshaminy Falls.....	Phila. Sub-Water Co.	Williamstown.....	John D. McEwen.
Edinboro.....	Wallace J. Snyder.	New Bloomfield.....	J. Earl Sheaffer.	Woodward.....	Susq. Collieries Co.
English Center.....	Fed-State Flood Festg Ser.	New Castle.....	New Castle Water Co.	York.....	U. S. Weather Bureau.
Emporium.....	E. M. Poorman.	Newell.....	General Chemical Co.	York Haven.....	Metropolitan-Edison Co.
Ephrata.....	Ira J. Keath.	Newport.....	C. J. Allen.	Youngsville.....	Fed-State Flood Festg Ser.
Erie.....	U. S. Weather Bureau.	New Tripoli.....	R. W. Wright.	Zionsville.....	J. H. Weinberger.
Franklin.....	William K. Fuller.	Palmerton.....	F. C. Oswald.		
Fredericksburg (near).....	Henry H. Rohrbach.	Parkers Landing.....	New Jersey Zinc Co.		
Freeland.....	Andrew B. Evansha.	Paupack.....	Wm. C. Dean.		
Galeton.....	W. Gale Lush.	Penn Line.....	Penn. Power & Light Co.		
George School.....	Prof. N. W. Swayne.	Penn Nursery.....	Miss Retta M. Crumb.		
Gettysburg.....	Dr. Henry Stewart.	Peters Mountain.....	Fed-State Flood Festg Ser.		
Glencoe.....	Lester R. Sipple.	Philadelphia.....	Fed-State Flood Festg Ser.		
Glen Rock.....	U. S. Engineers.	Phila-Fr'k'l'n Institute	U. S. Weather Bureau.		
Gordon.....	Miss Sallie M. Johnson.	Phila-Shawmont.....	Franklin Institute.		
Gouldsboro.....	L. H. Eilenberger.		Geo. E. Wright.		
Graterford.....	C. K. Kulp.				

